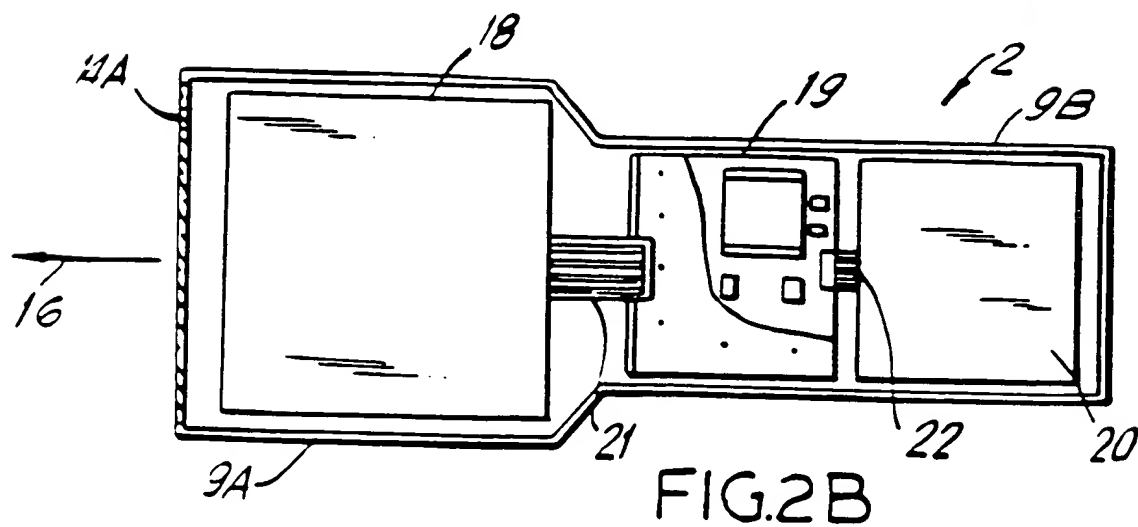
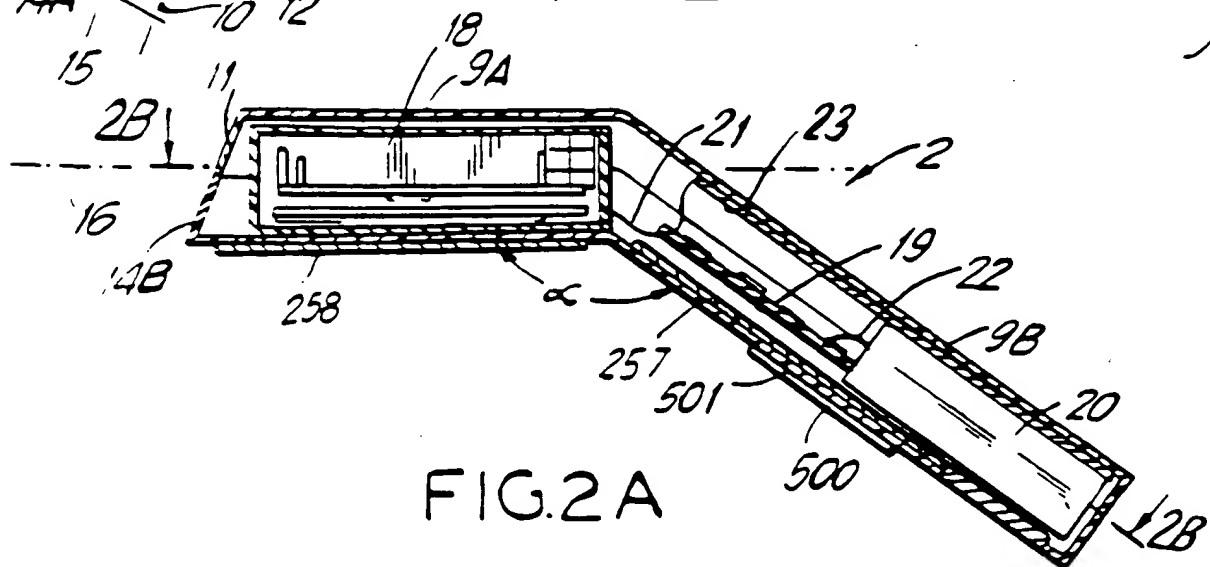
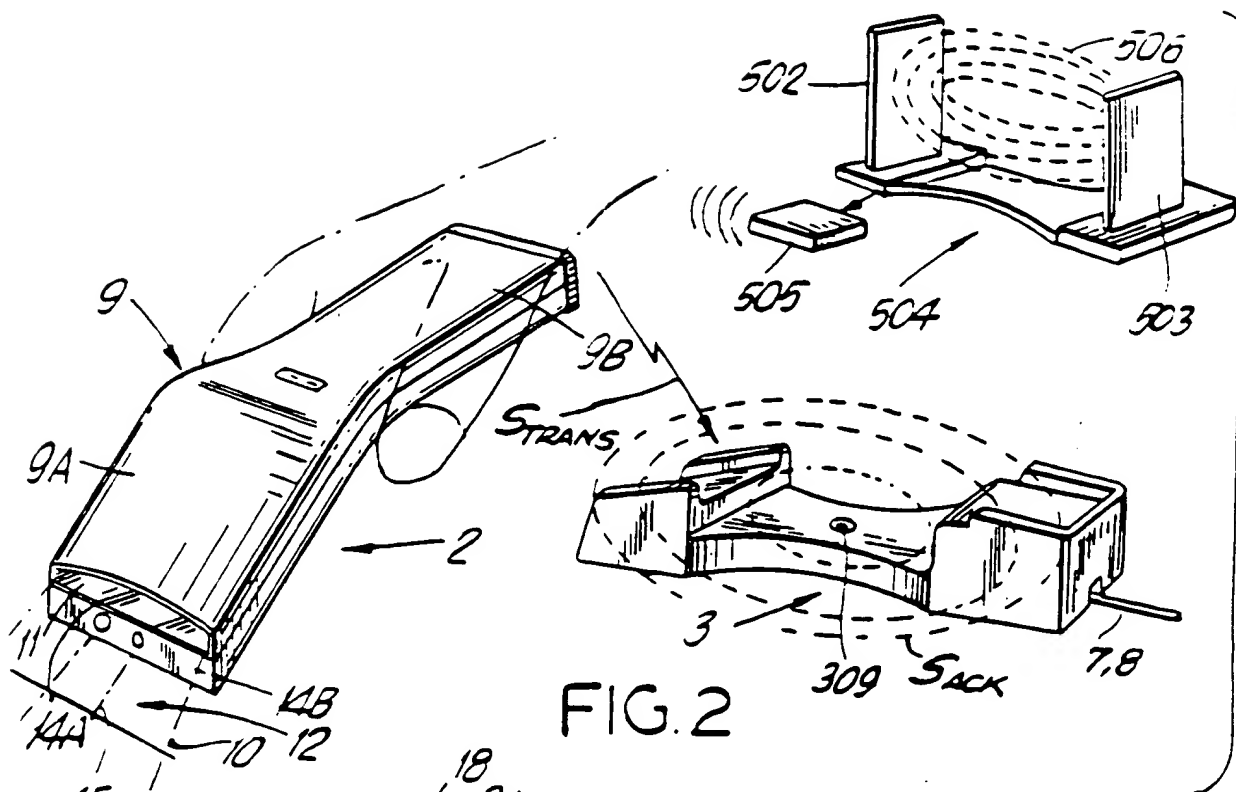


FIG. 1 is a perspective view of a device 1 with a top surface 9 and side surfaces 9A and 9B. A front-facing display or panel 2 is shown in an open position, revealing internal components 3, 4, 13A, 13B, 13C, and 13D. A connector 6 is labeled "HOST" and a connector 8 is labeled "TO POWER SUPPLY". A small circular feature 309 is also indicated.



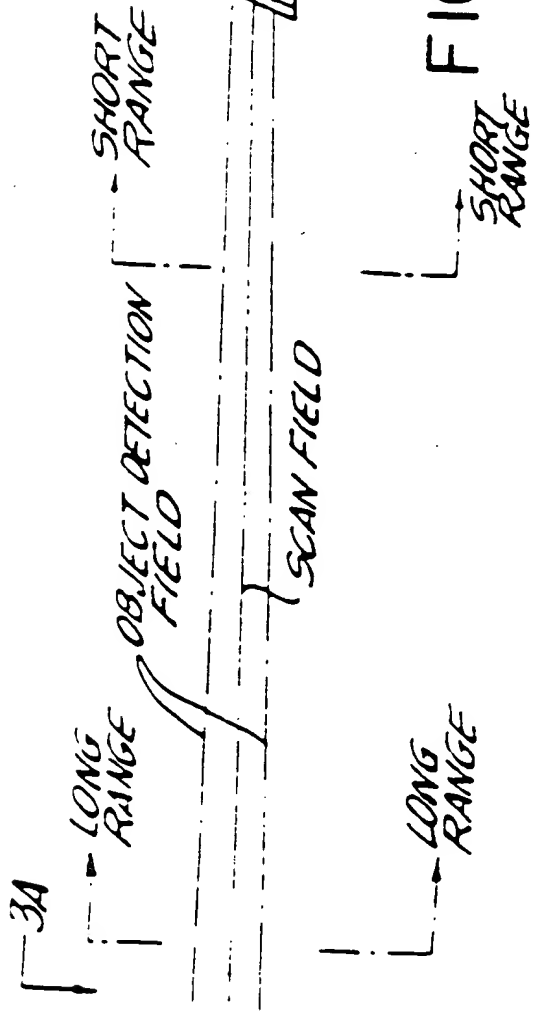


FIG. 3

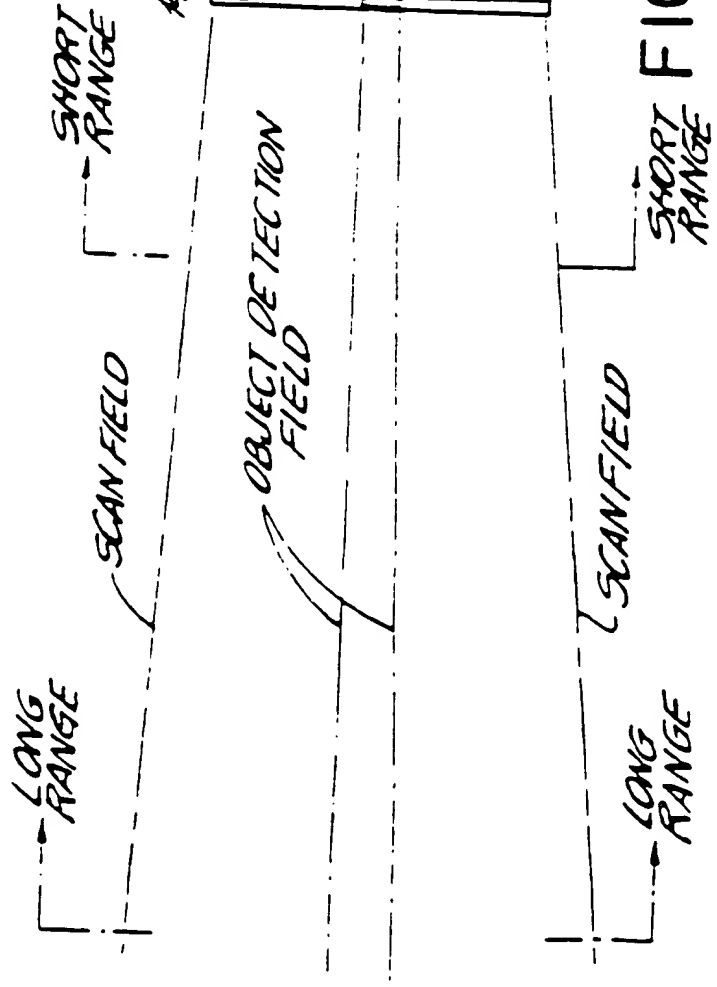
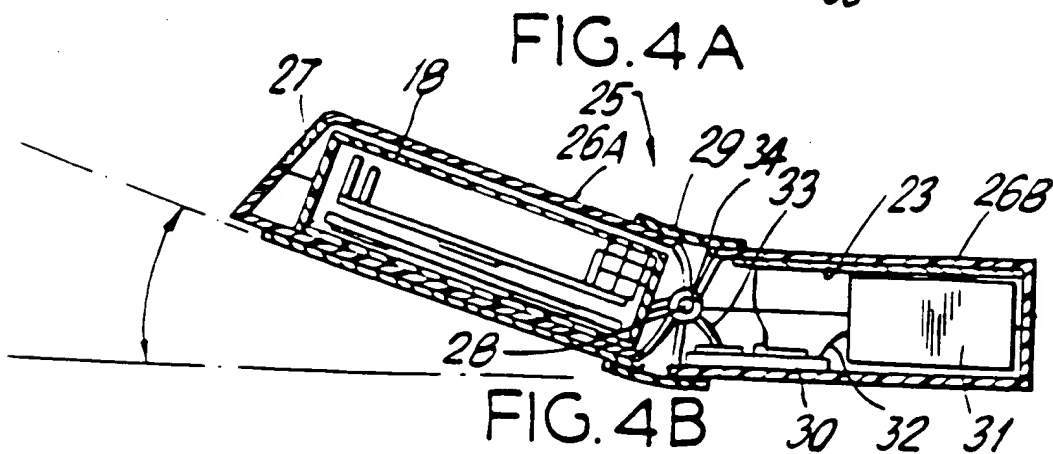
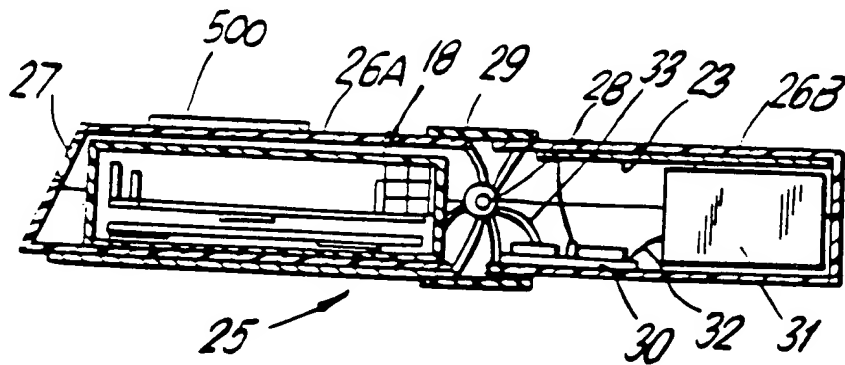
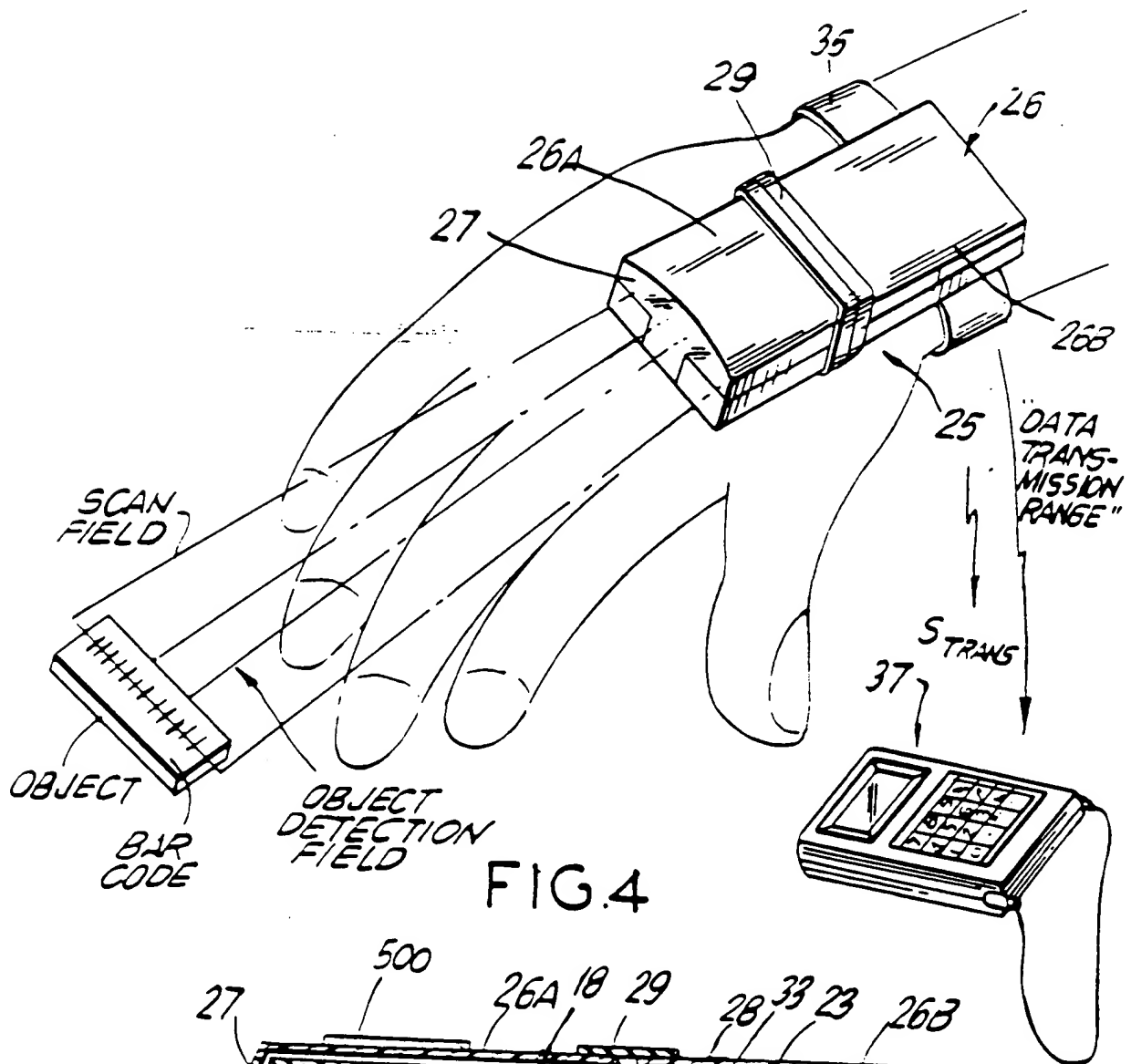
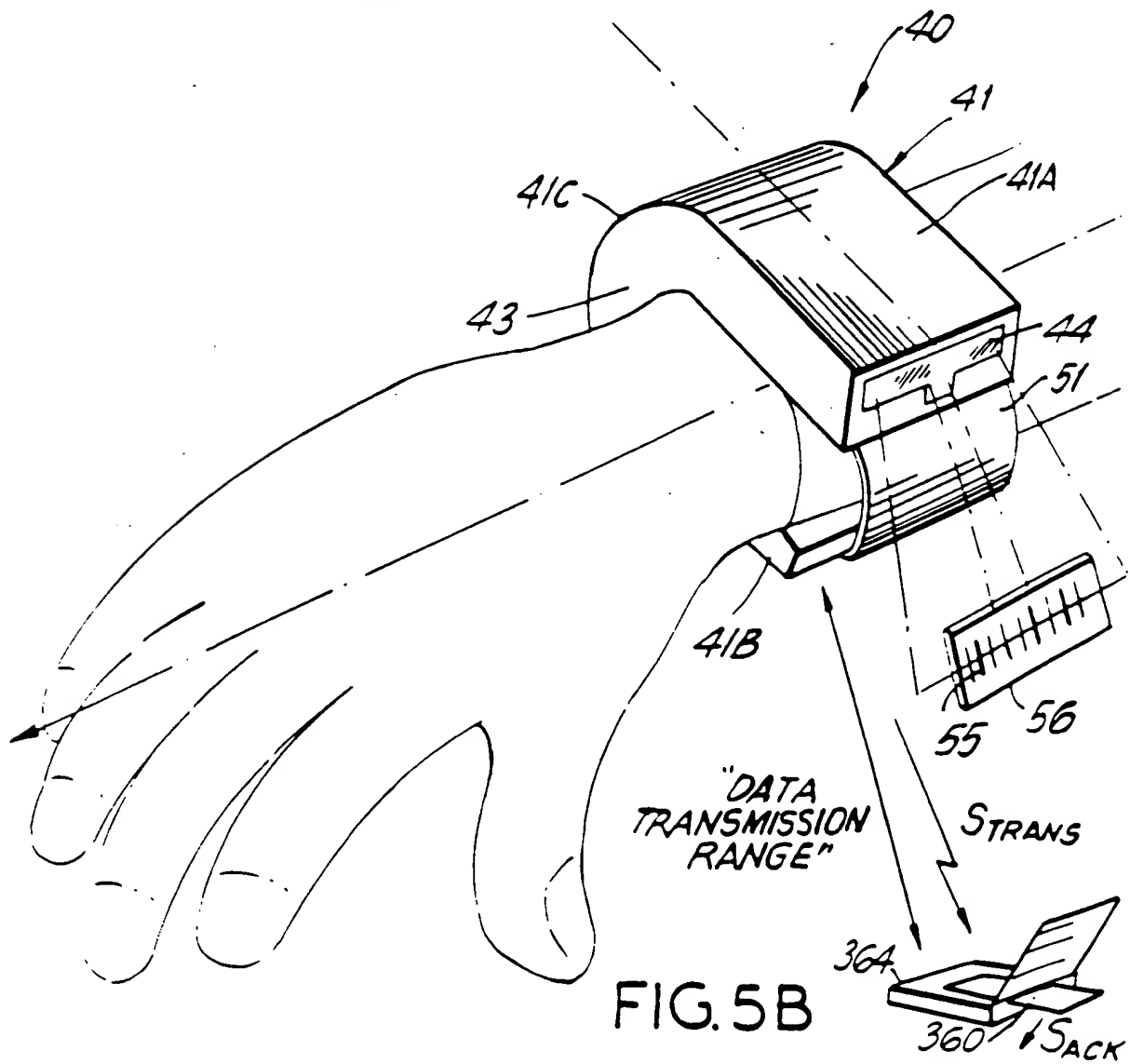
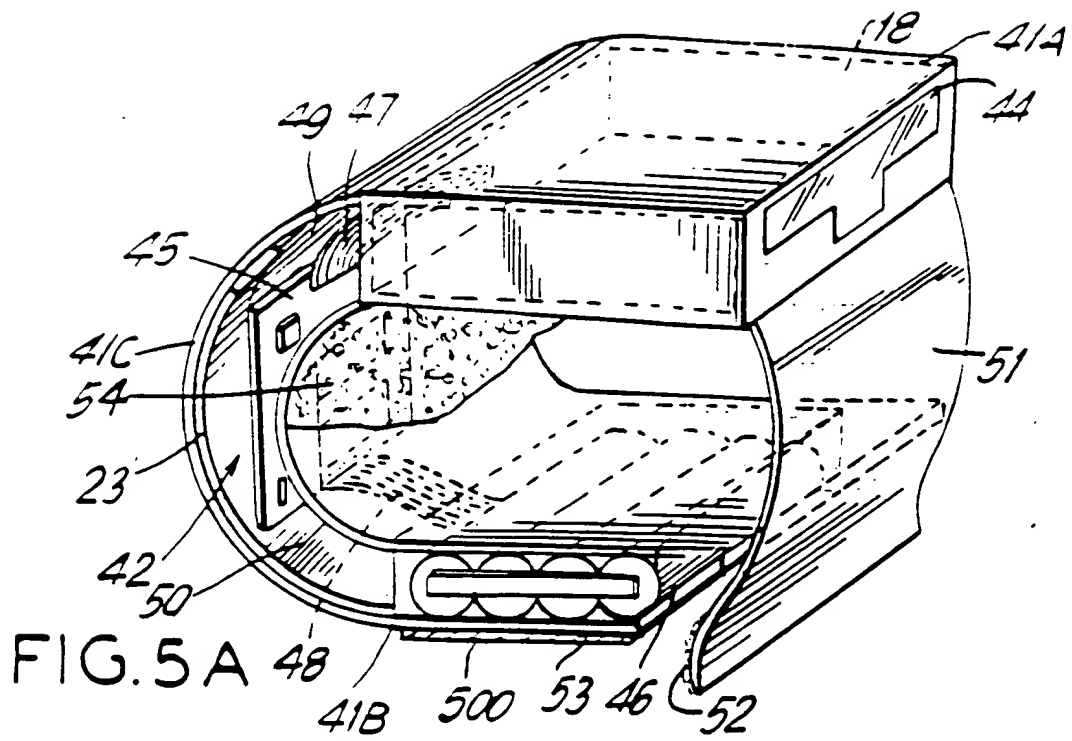
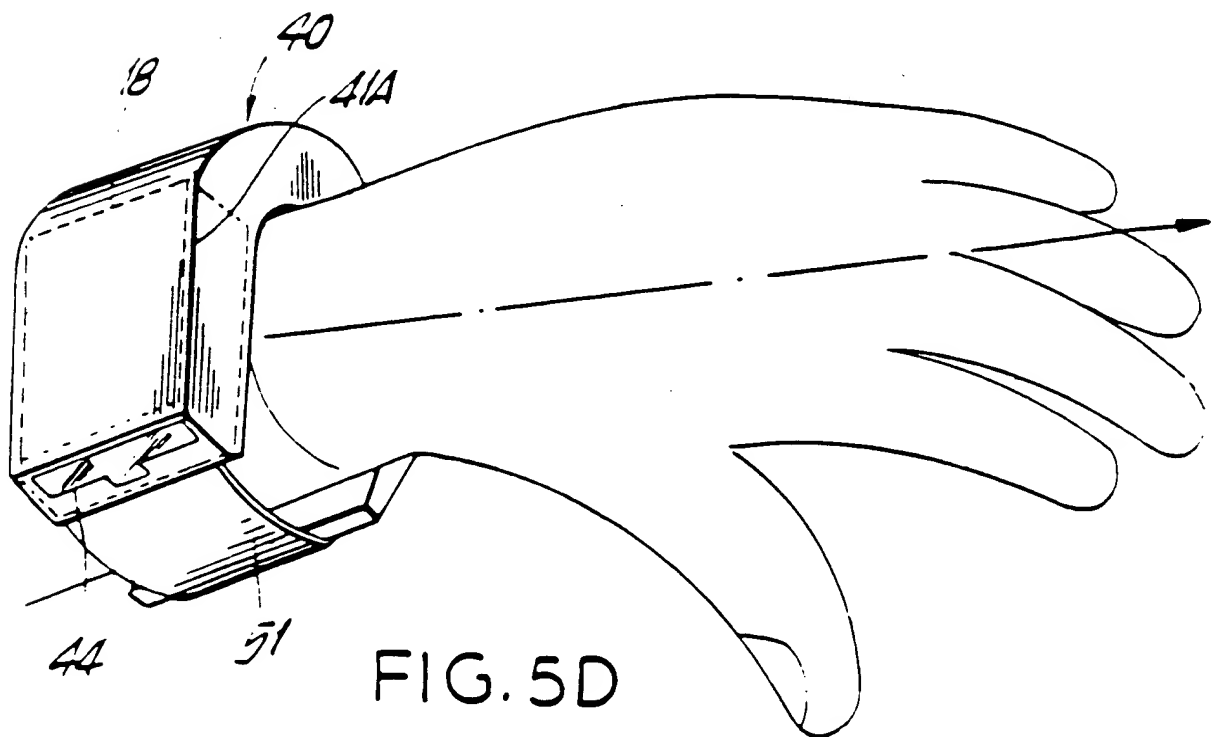
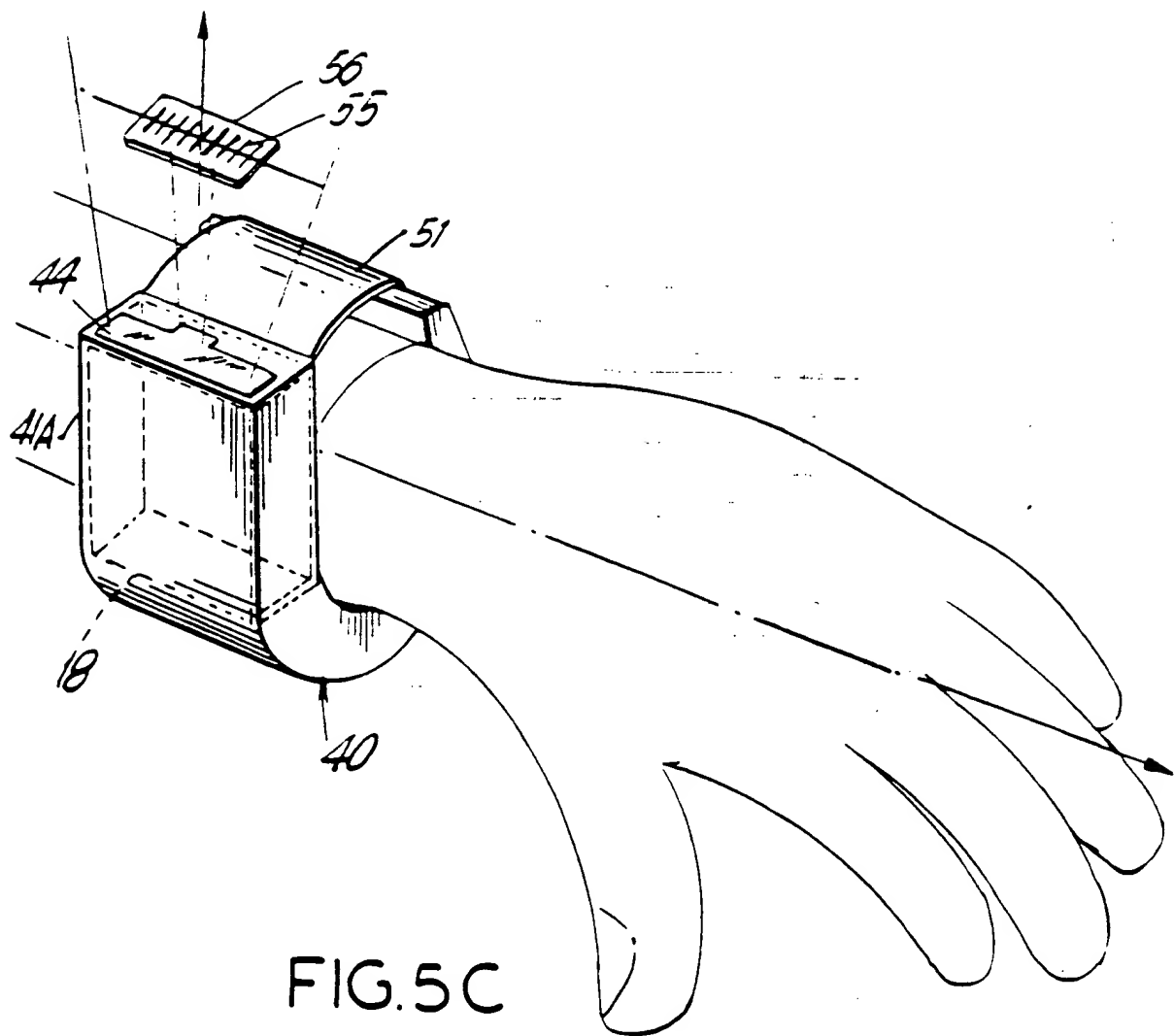
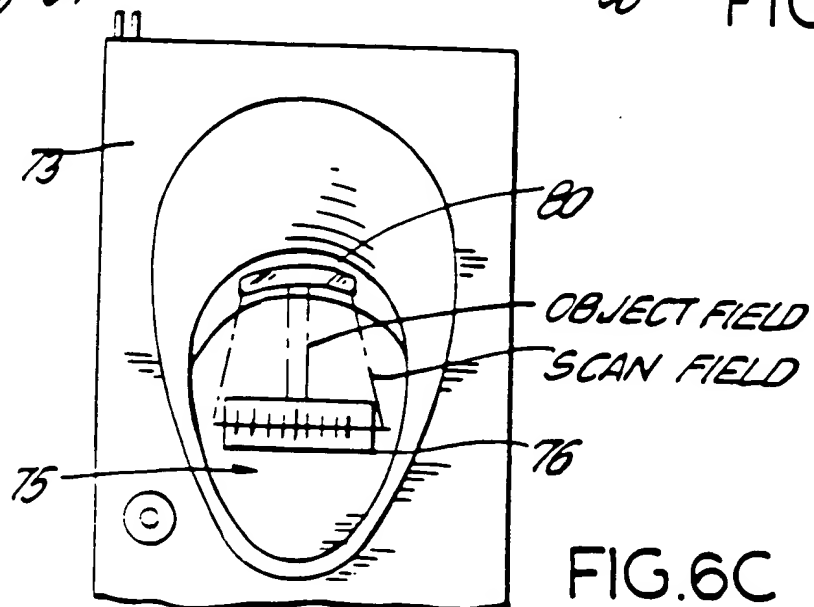
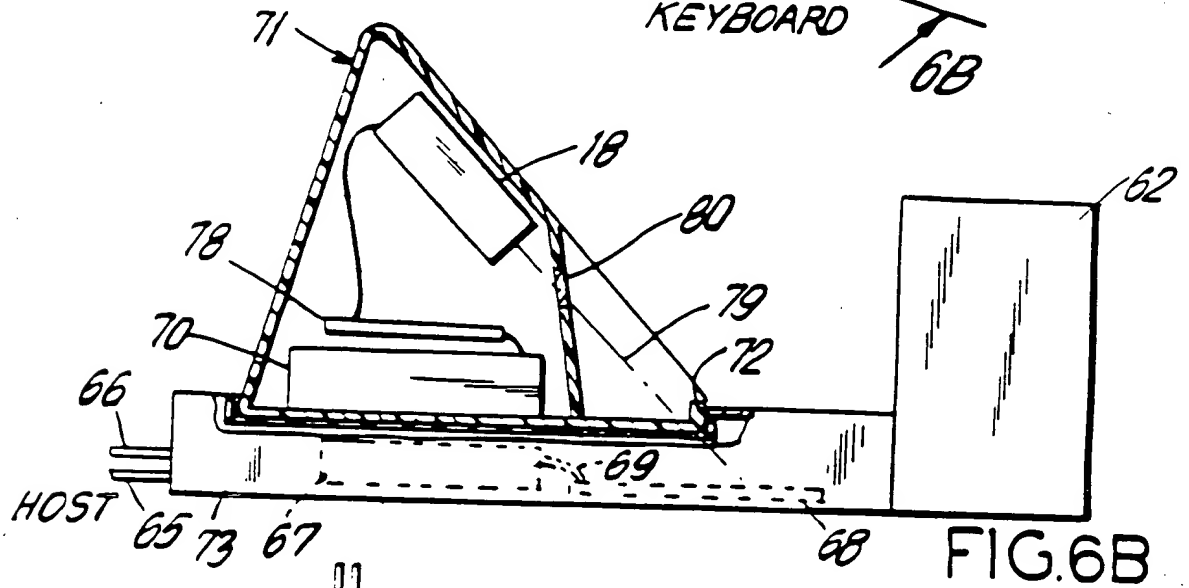
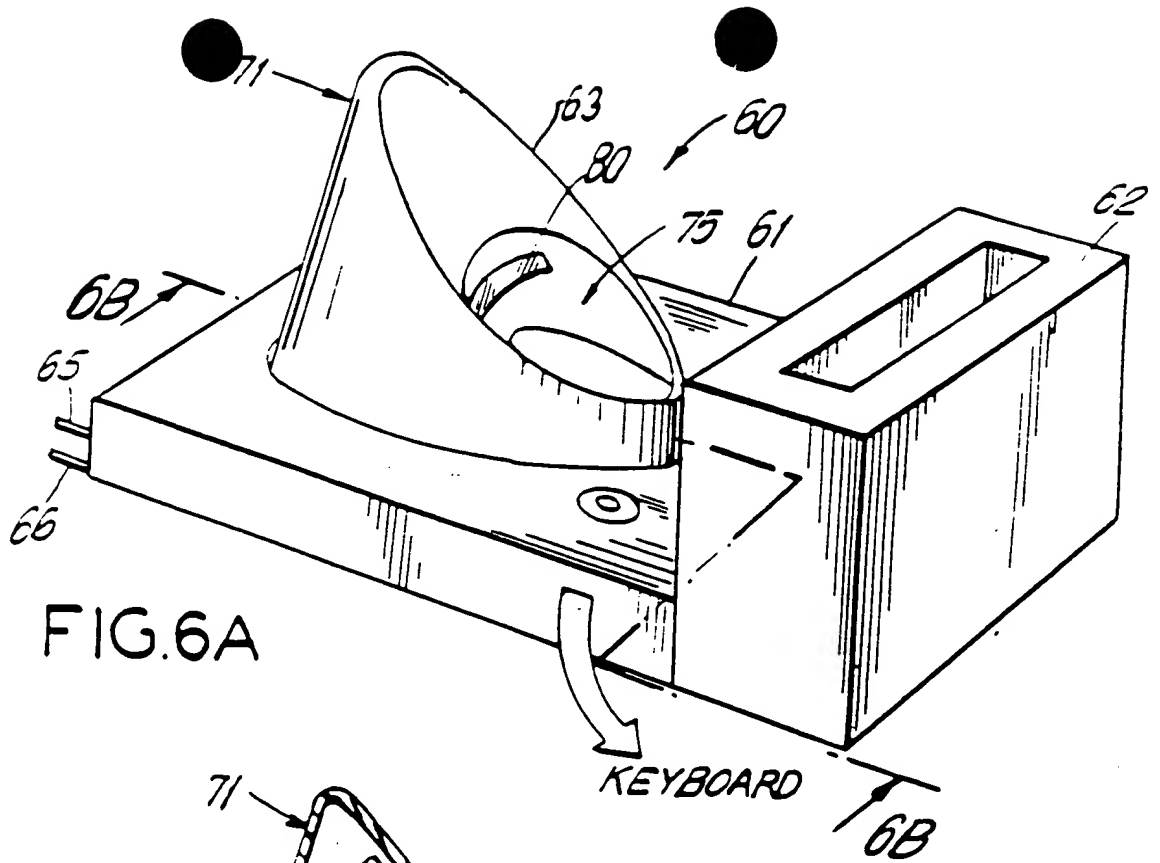


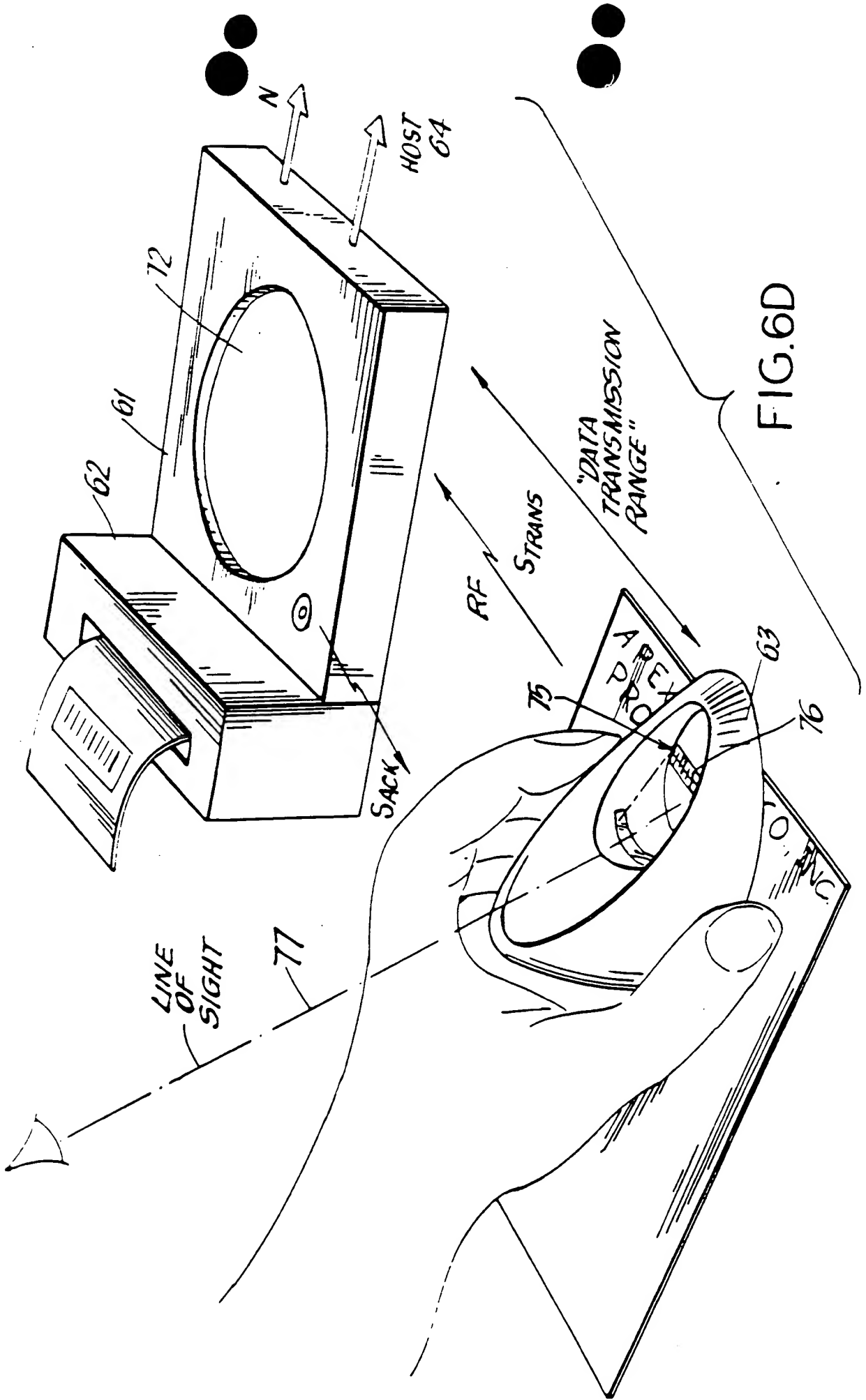
FIG. 3A













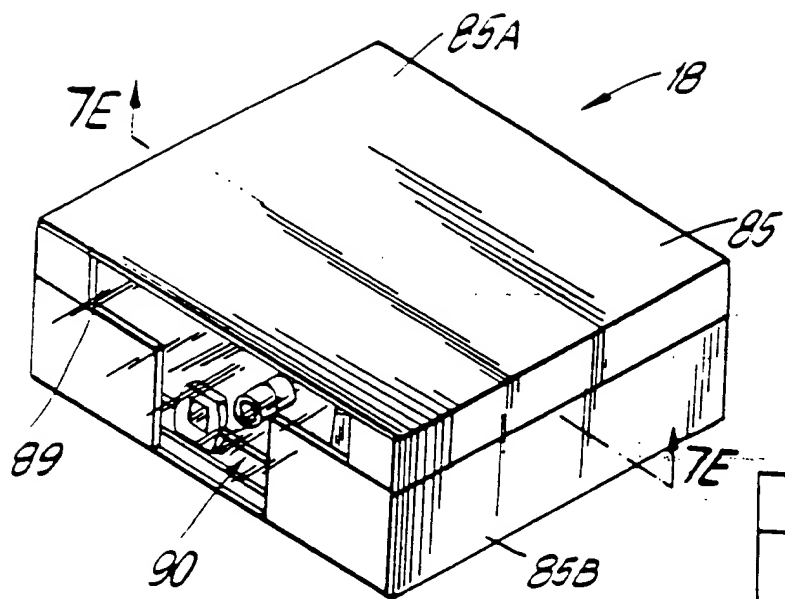


FIG. 7A

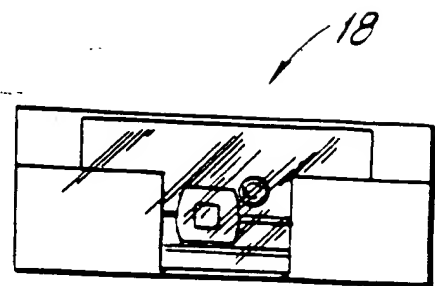


FIG. 7B

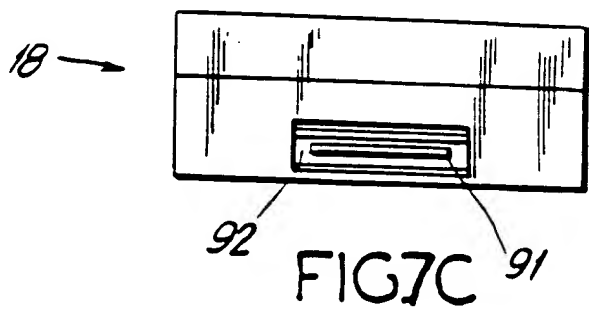


FIG. 7C

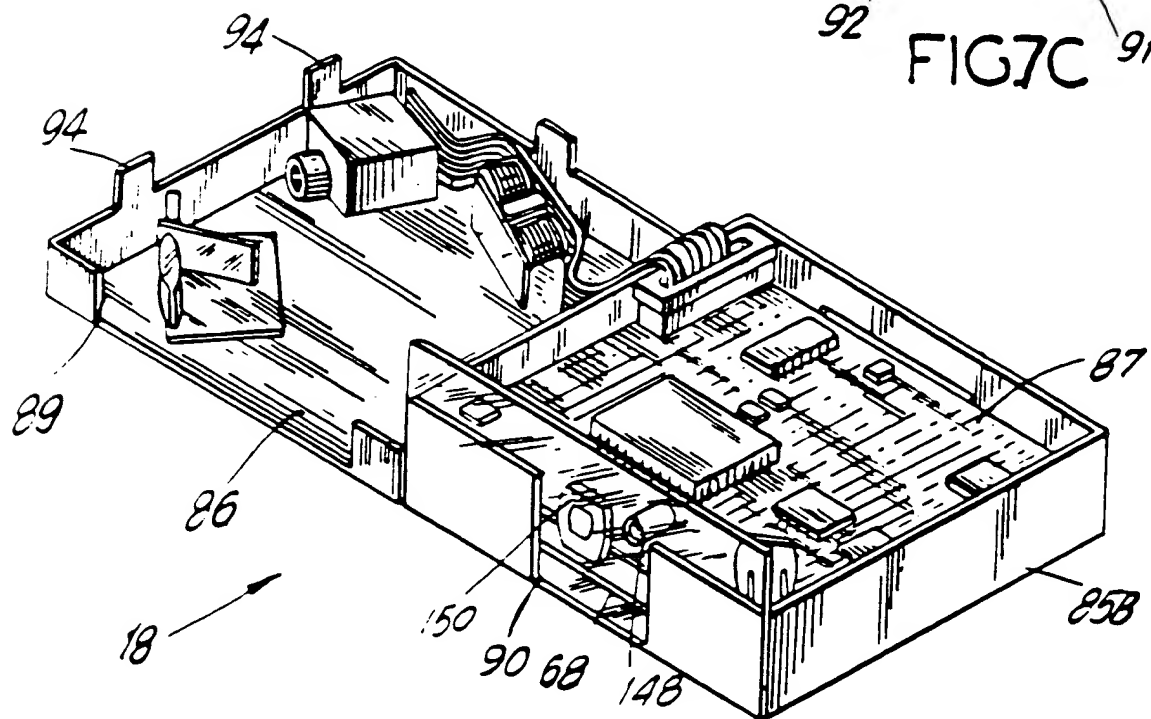


FIG. 7D

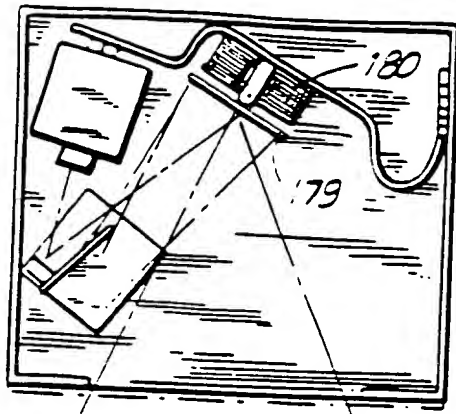


FIG. 7E

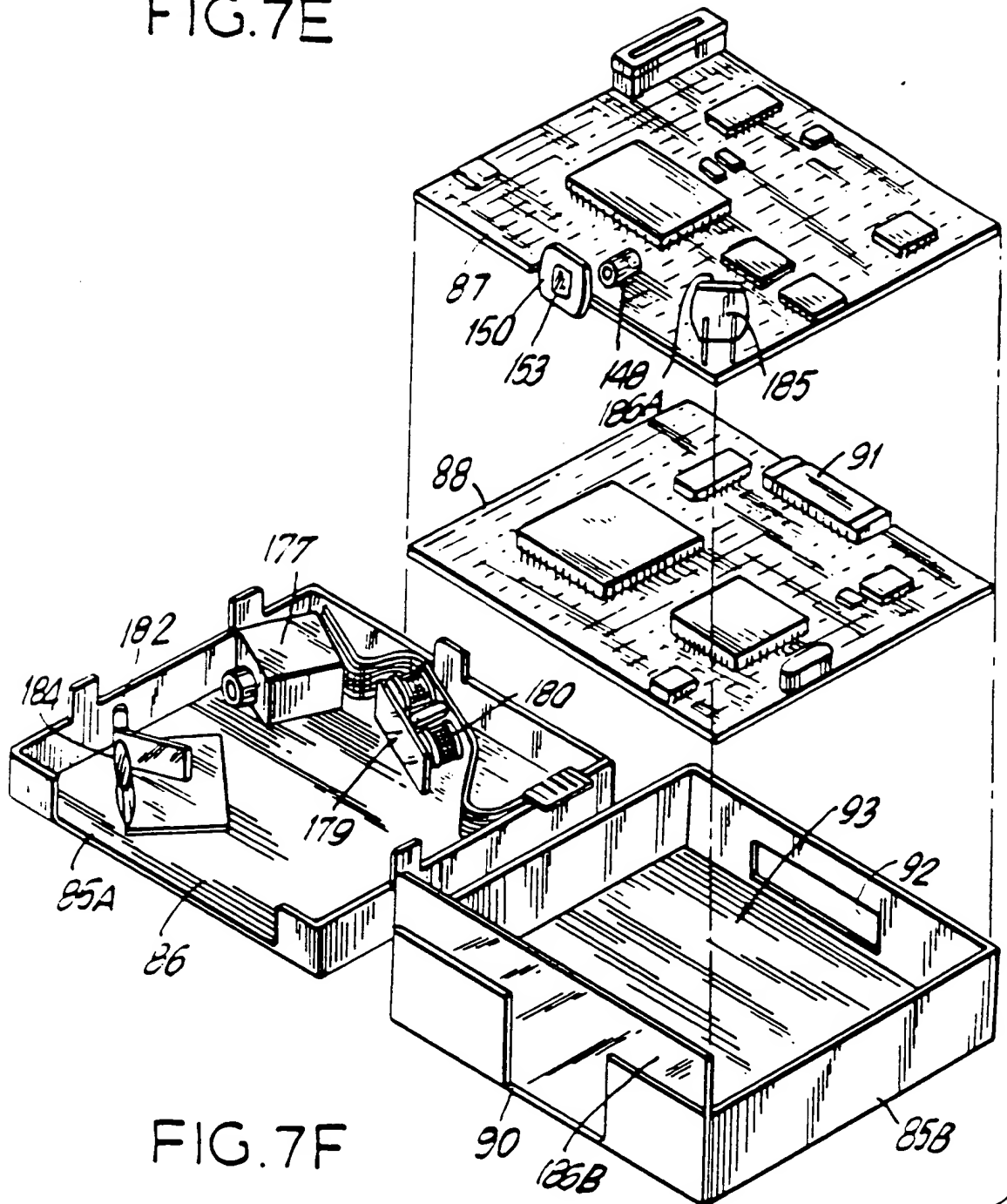


FIG. 7F

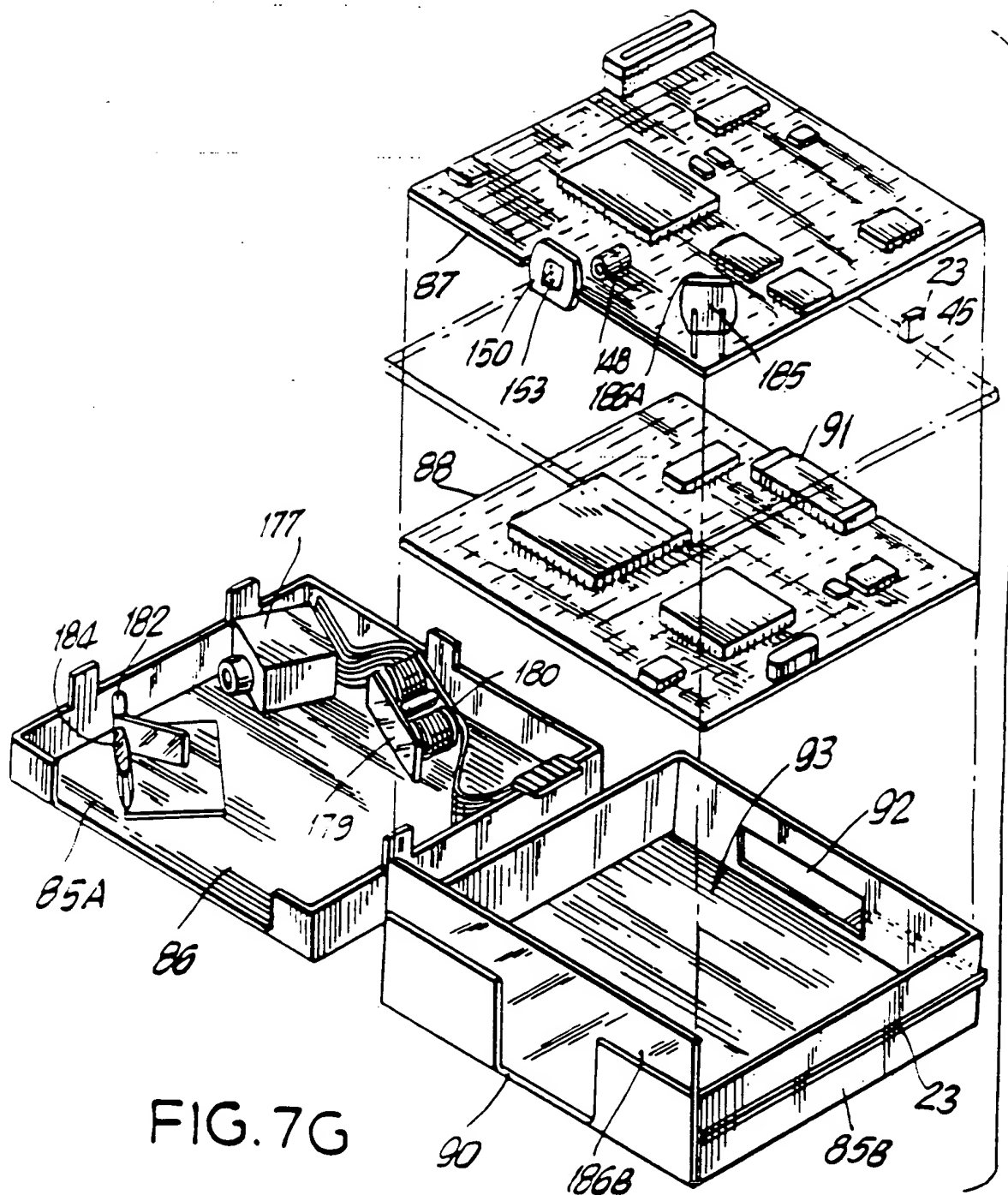


FIG. 7G

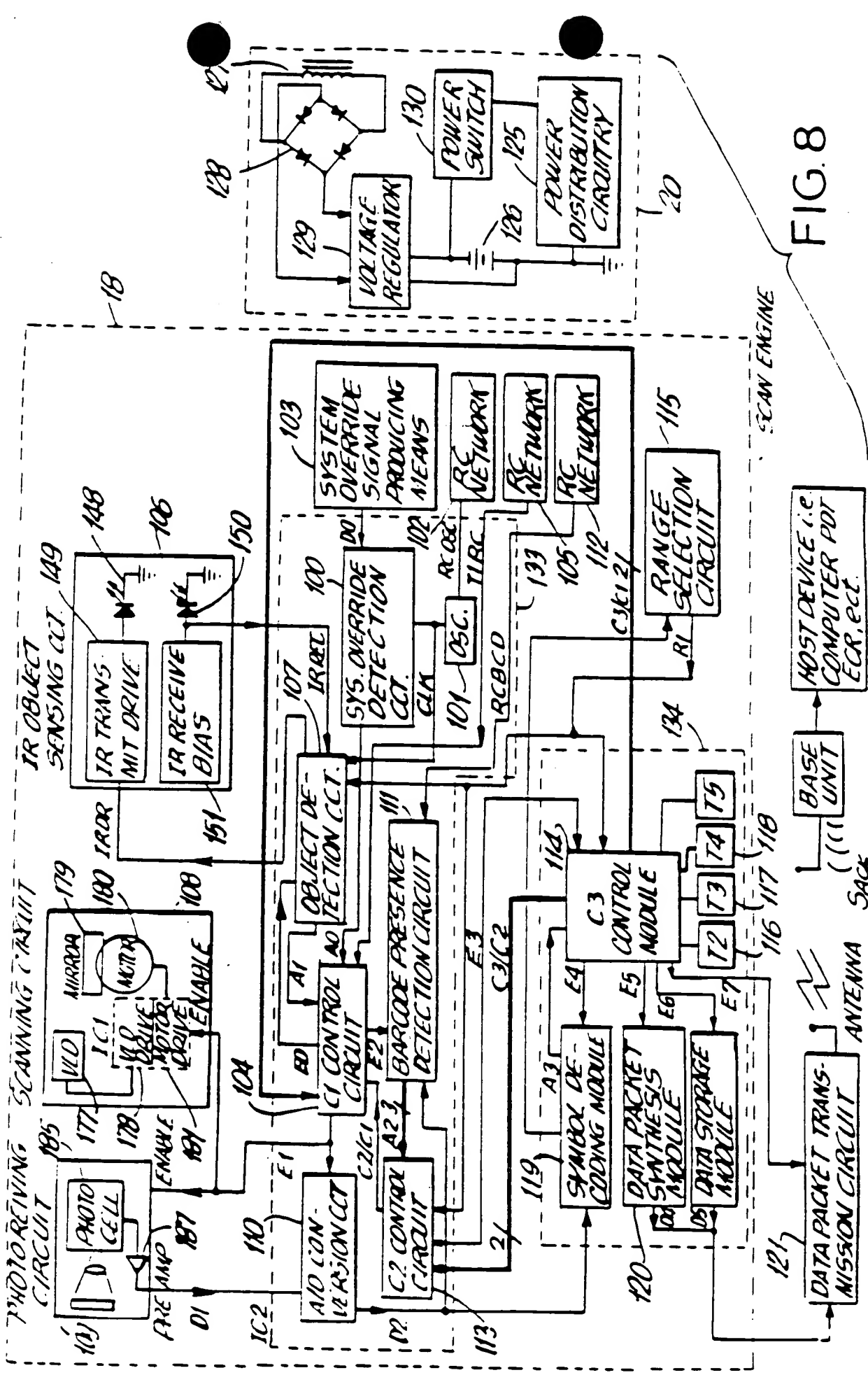


FIG. 8

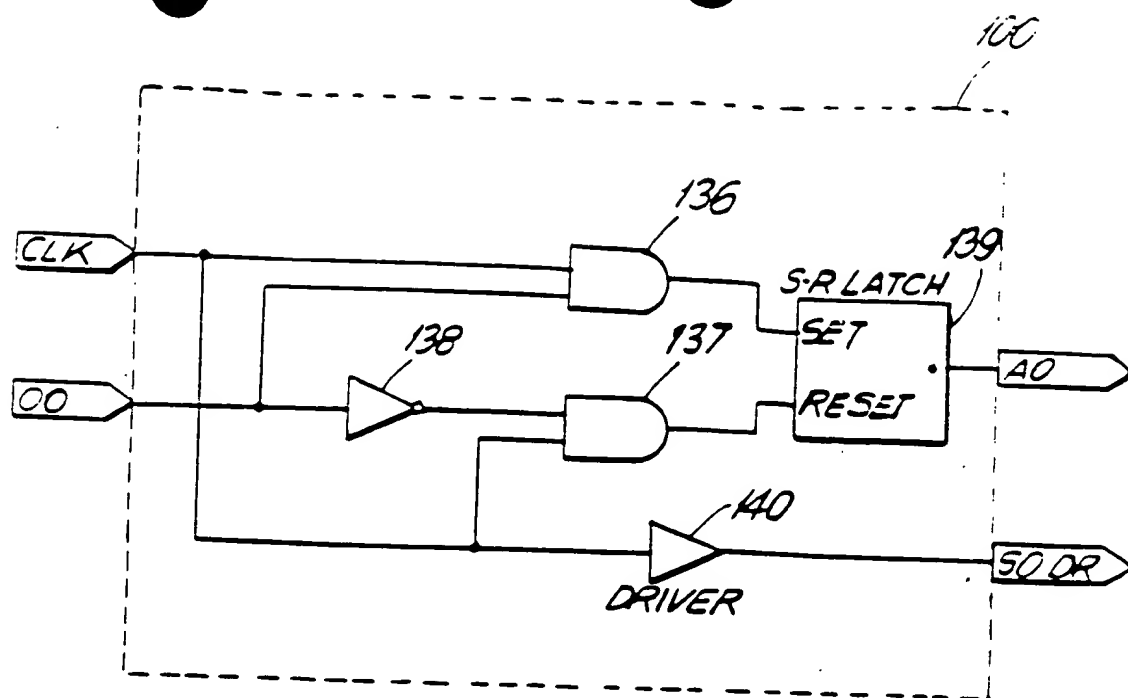


FIG. 8A

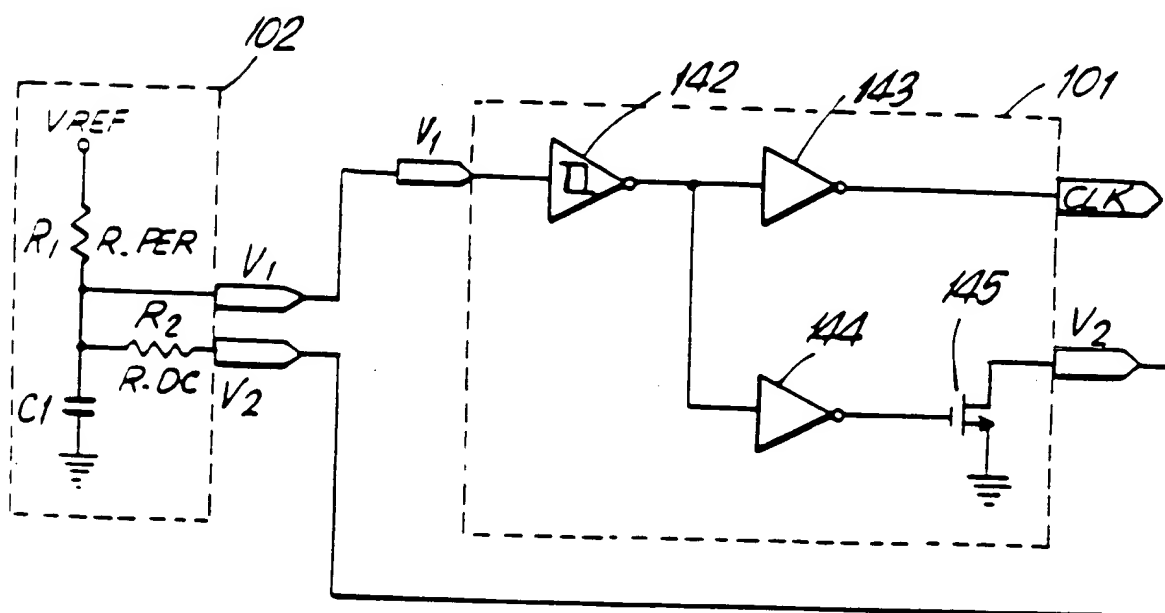


FIG. 8B

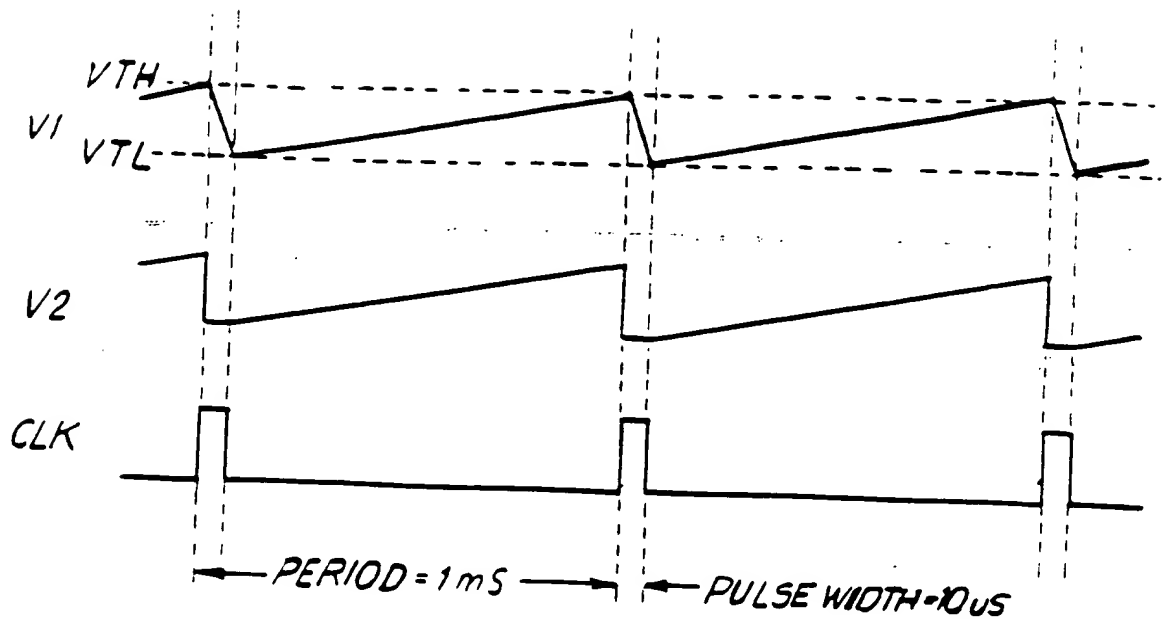


FIG.8C

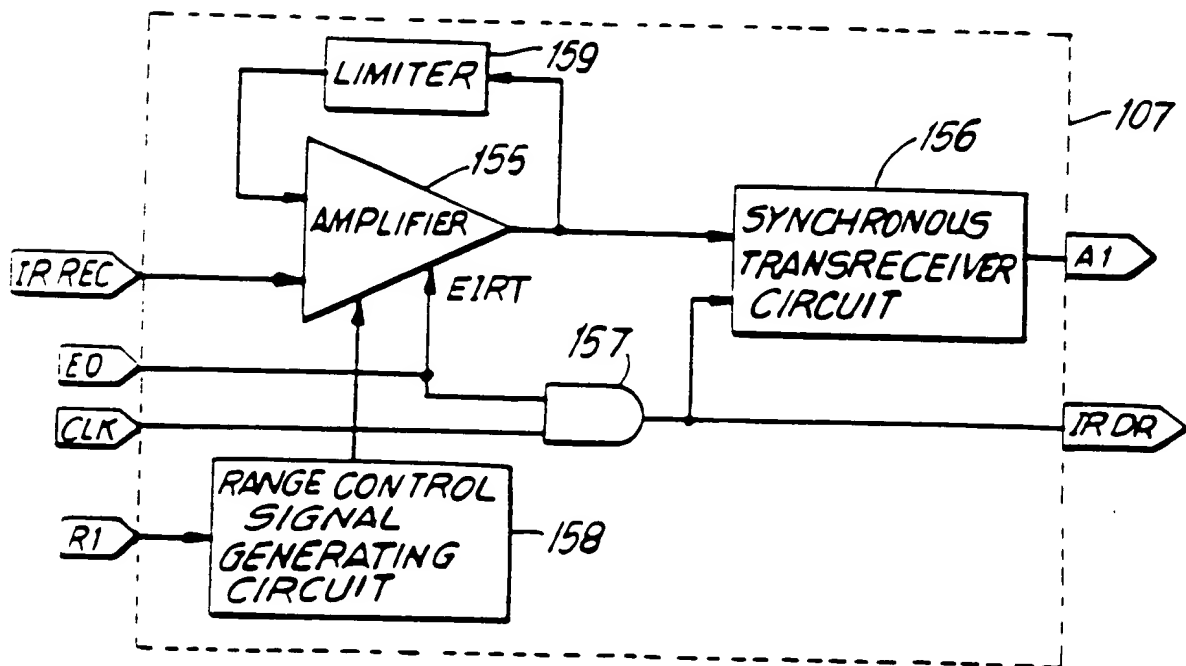
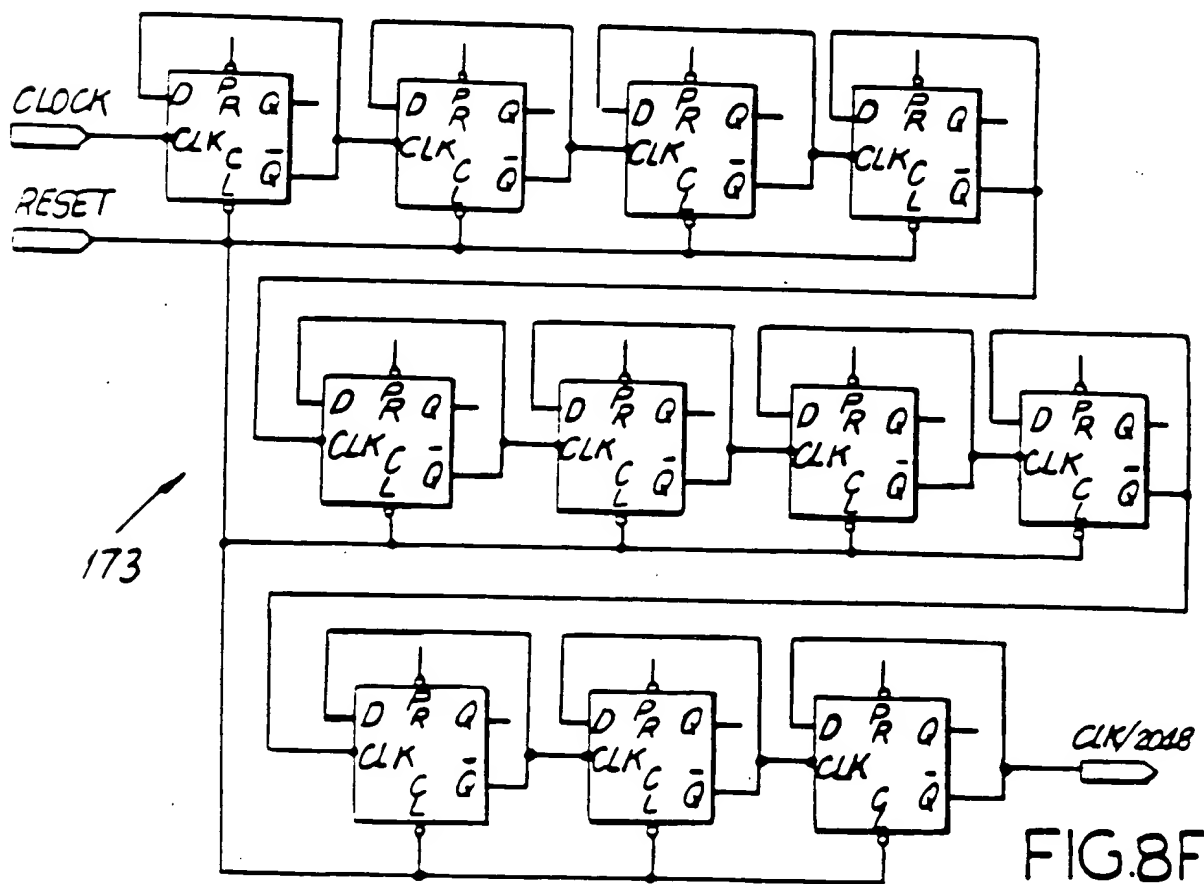
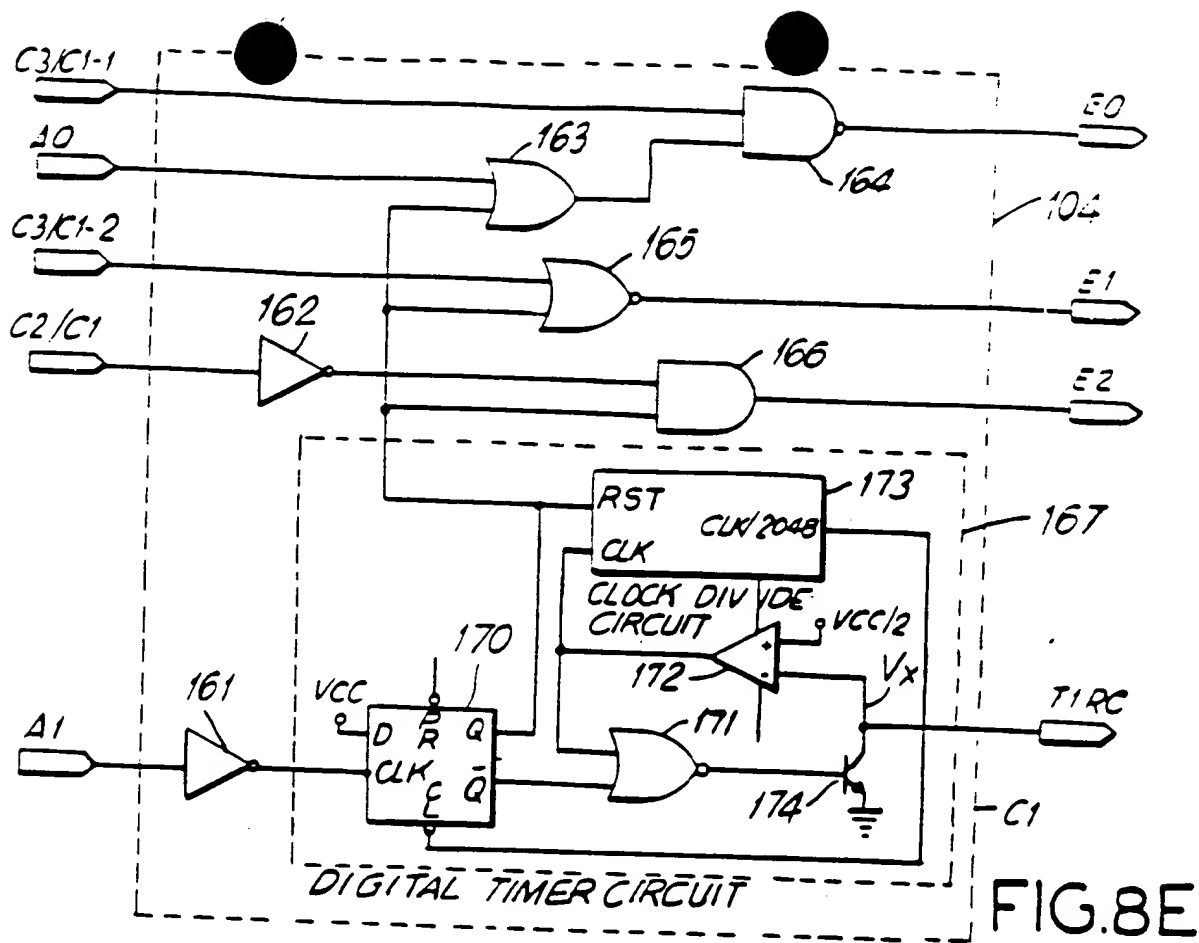


FIG.8D



$$E_0 = (B + A_0) (C_3 / C_2 - 1)$$

$$E_1 = (C_3 / C_2 - 2) + B$$

$$E_2 = (C_2 / C_1) (T_1)$$

FIG.8G

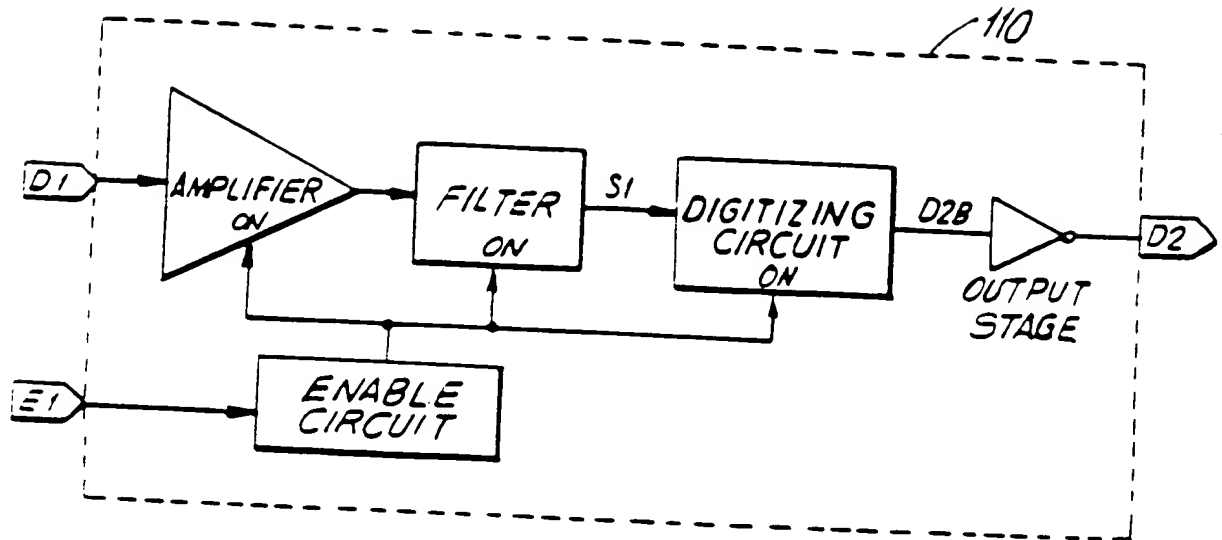


FIG.8H





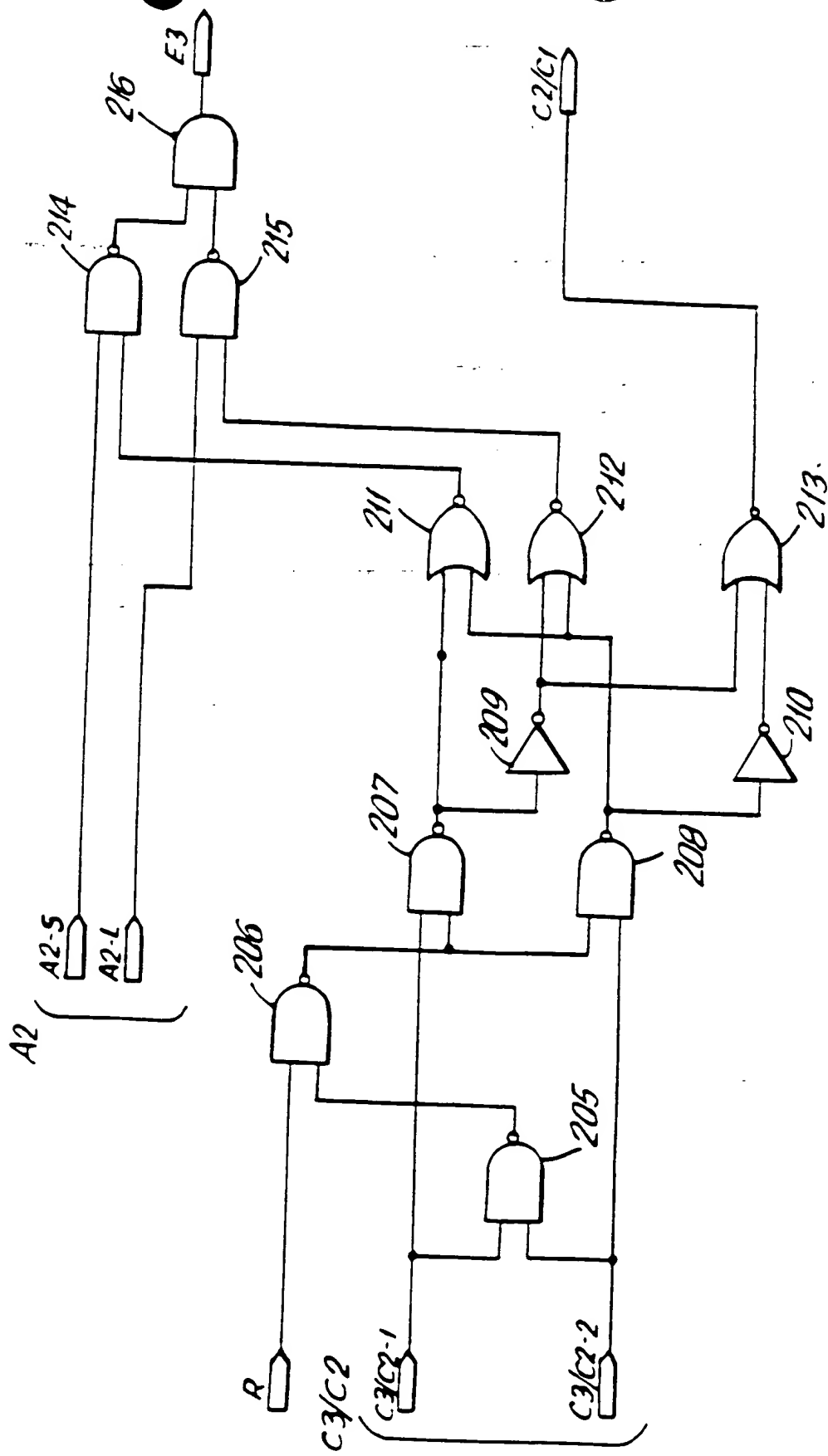


FIG. 8L

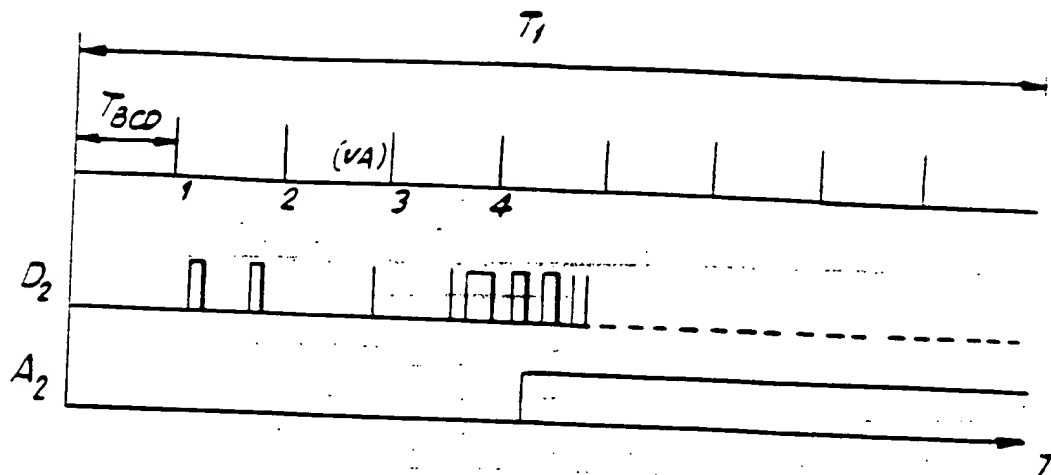


FIG.8K

$R$	$C_3/C_2-1$	$C_3/C_2-2$	$E_3$	$C_2/C_1$
0	X	X	$A_{2L}$	0
1	0	0	$A_{2L}$	0
1	0	1	$A_{2S}$	0
X	1	1	X	1

X = DON'T CARE

FIG.8M

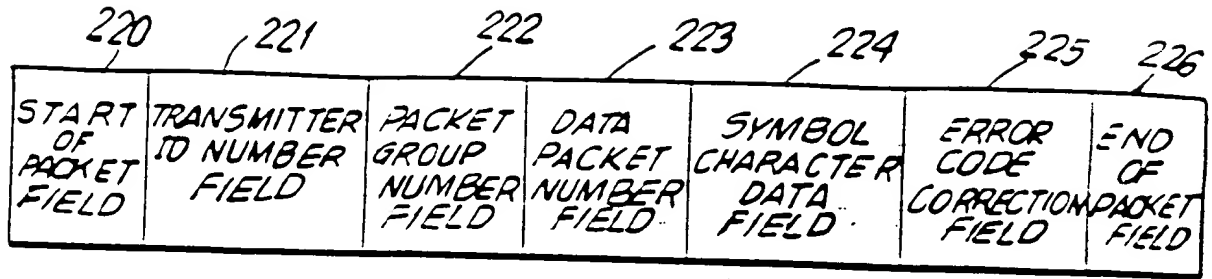


FIG.8N

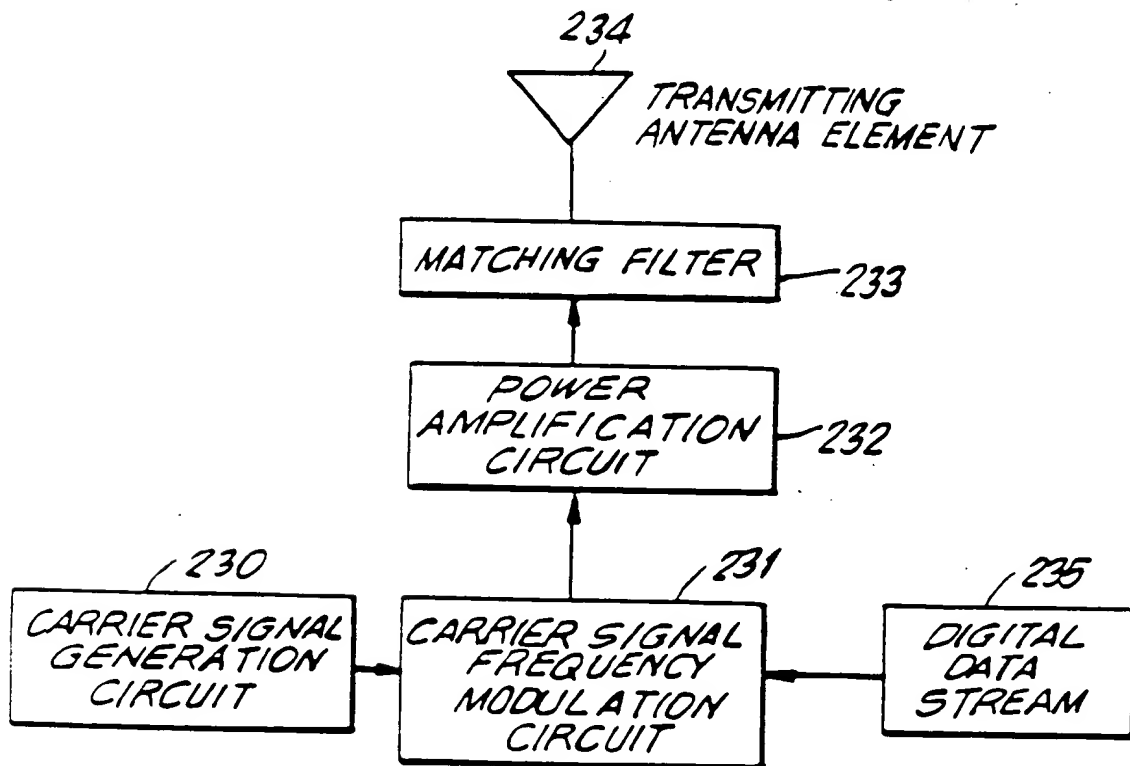


FIG.9

FIG. 10 is a block diagram of a portable barcode symbol reader system, showing the reader, base unit, and host system, and the data flow between them.

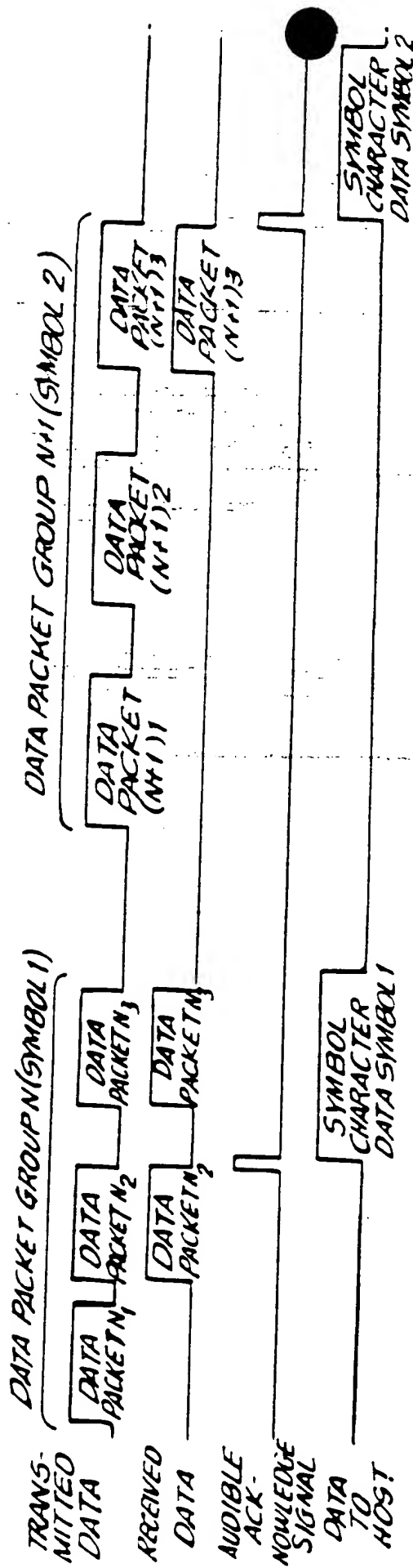
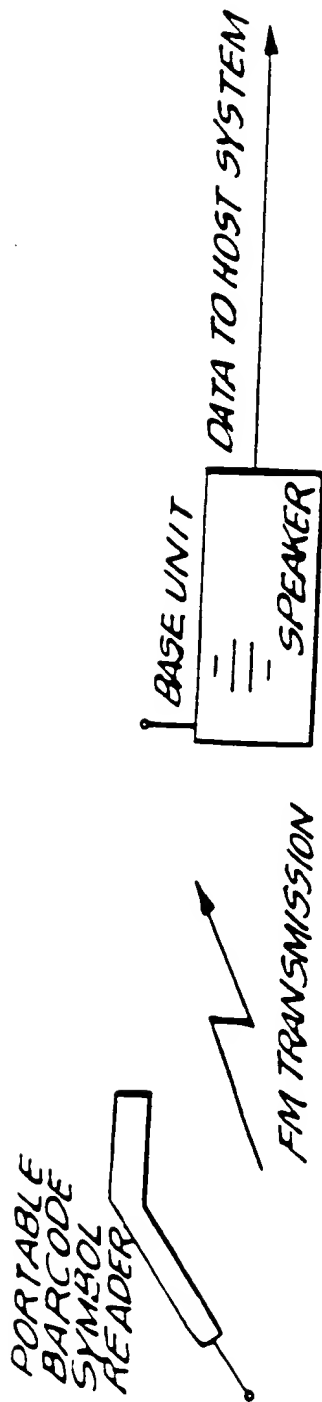


FIG. 10

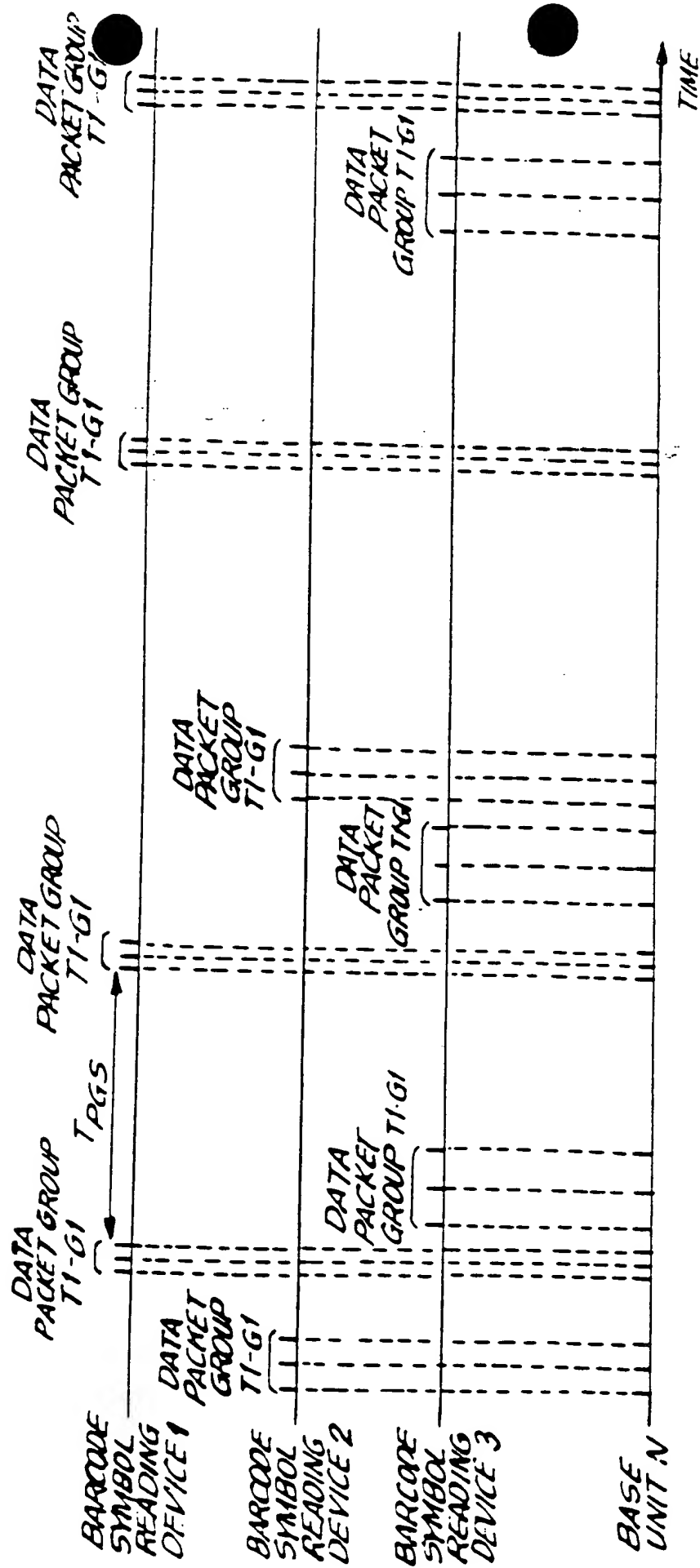


FIG. 11



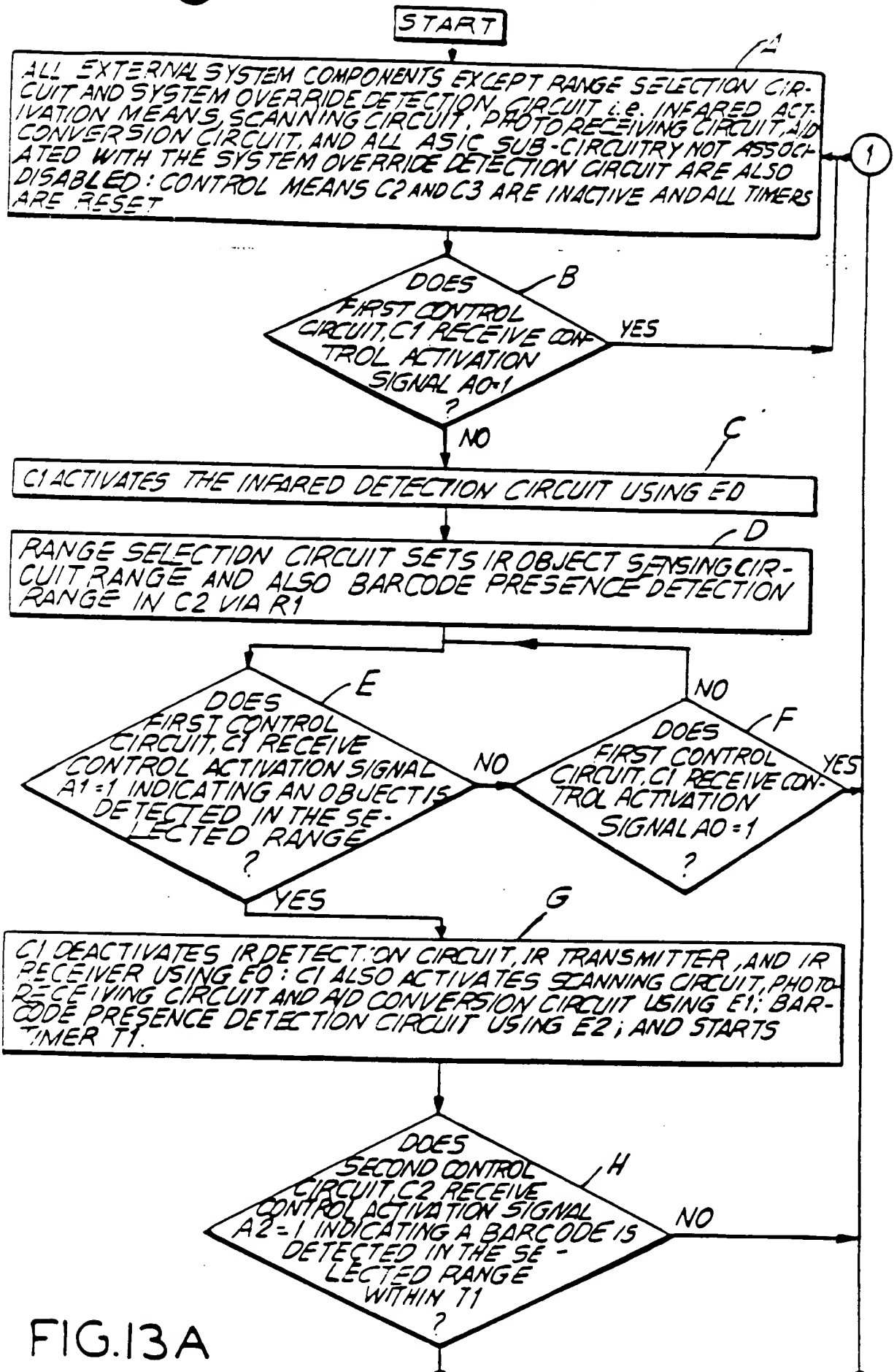


FIG.13A



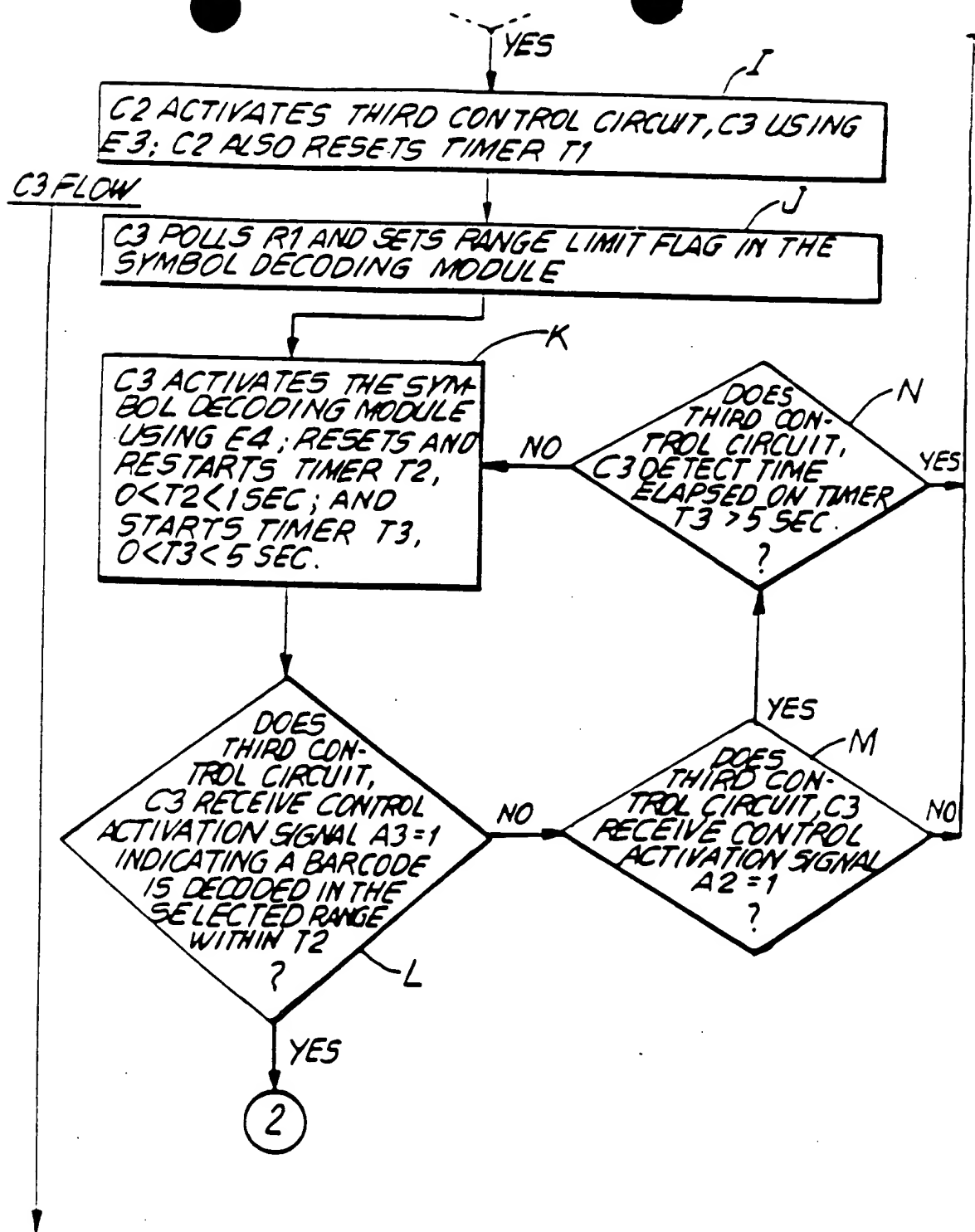


FIG.13AA

C3 FLOW

2

THIRD CONTROL CIRCUIT C3, CONTINUES ACTIVATION OF LASER DIODE, SCANNING MOTOR PHOTORECEIVING CIRCUIT AND CONVERSION CIRCUIT; DEACTIVATES SYMBOL DECODING MODULE; AND COMMENCES ACTIVATION OF DATA PACKET SYNTHESIS MODULE

UNDER C3 CONTROL DATA PACKET SYNTHESIS MODULE SETS PACKET NUMBER TO 1 AND INCREMENTS DATA PACKET GROUP NUMBER MODULE COUNTER

UNDER C3 CONTROL DATA PACKET SYNTHESIS MODULE CONSTRUCTS DATA PACKET CONSISTING OF SYMBOL CHARACTER DATA, TRANSMITTER NUMBER, DATA PACKET GROUP NUMBER, CHECK CHARACTER AND FRAMING CHARACTERS

C3 ACTIVATES DATA PACKET TRANSMISSION CIRCUIT

UNDER C3 CONTROL DATA PACKET SYNTHESIS MODULE OUTPUTS PACKET TO DATA PACKET TRANSMISSION CIRCUIT

C3 DETERMINES  
IS PACKET NUMBER < 3  
?

NO

3

YES

UNDER C3 CONTROL DATA PACKET SYNTHESIS MODULE INCREMENTS DATA PACKET GROUP NUMBER

C3 ALLOWS T5 TO EXPIRE IN ORDER TO DELAY TRANSMISSION BASED ON LAST TWO DIGITS OF TRANSMITTER NUMBER

FIG. 13B

C3 FLOW

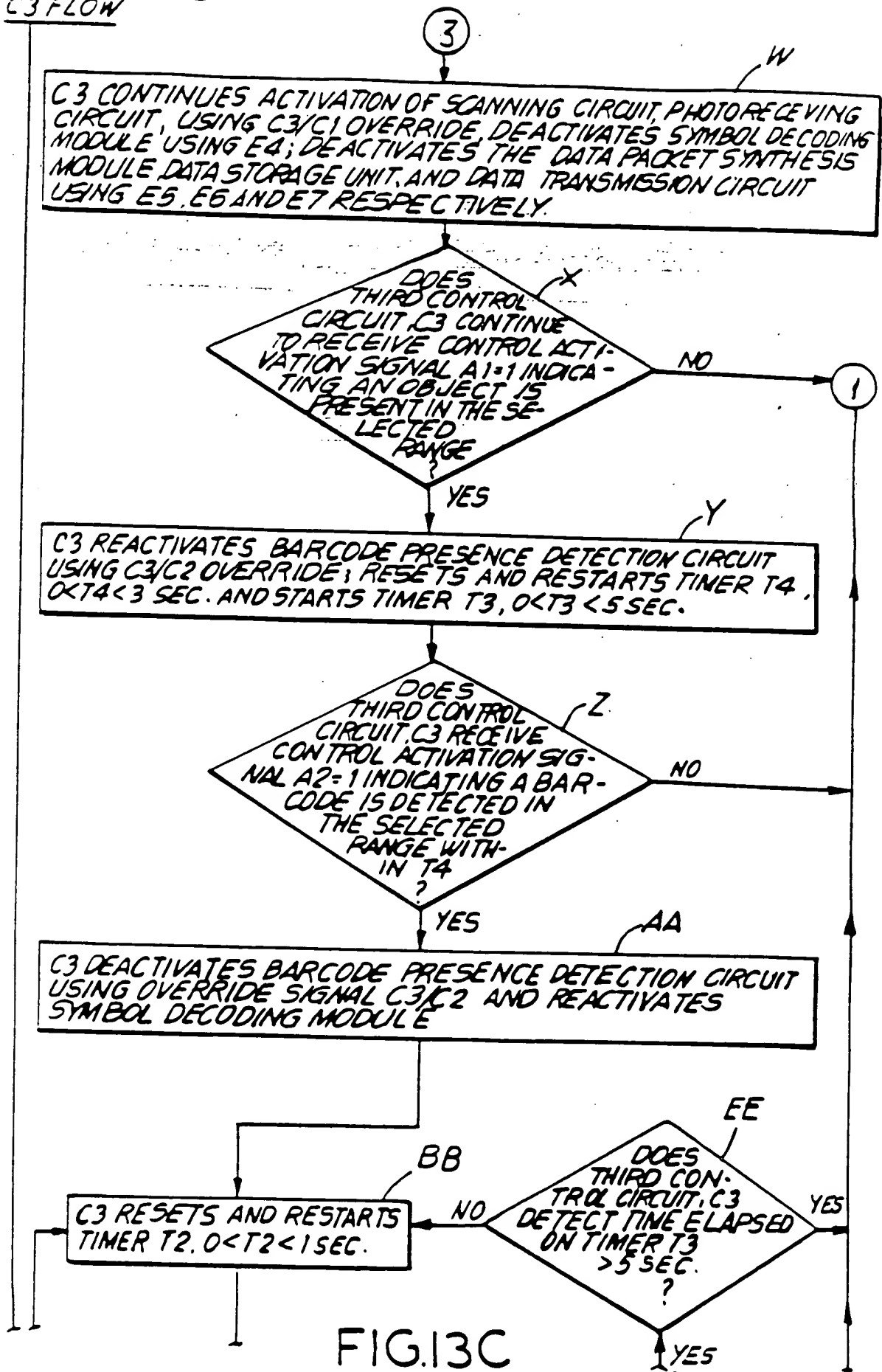


FIG.13C

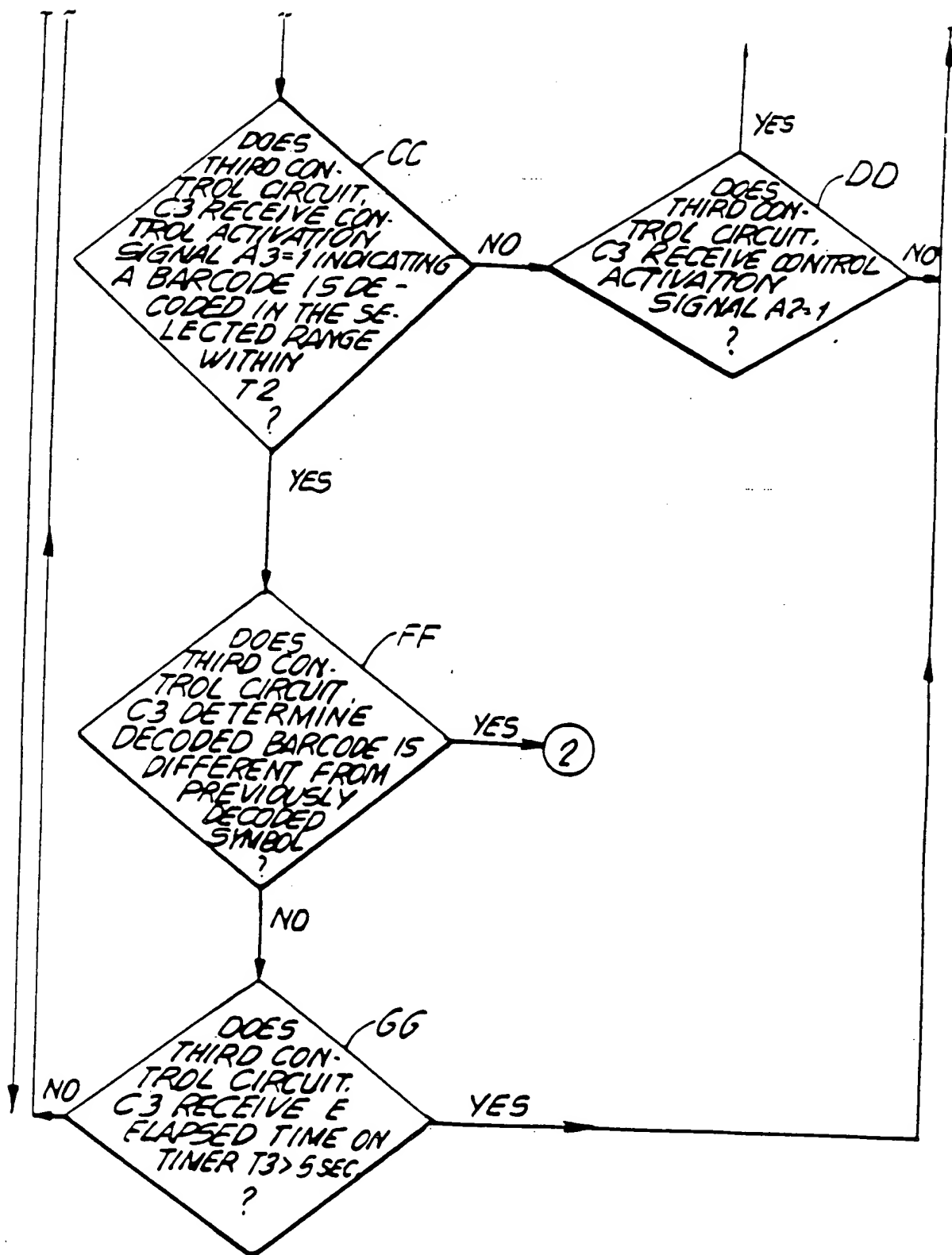


FIG. 13CC

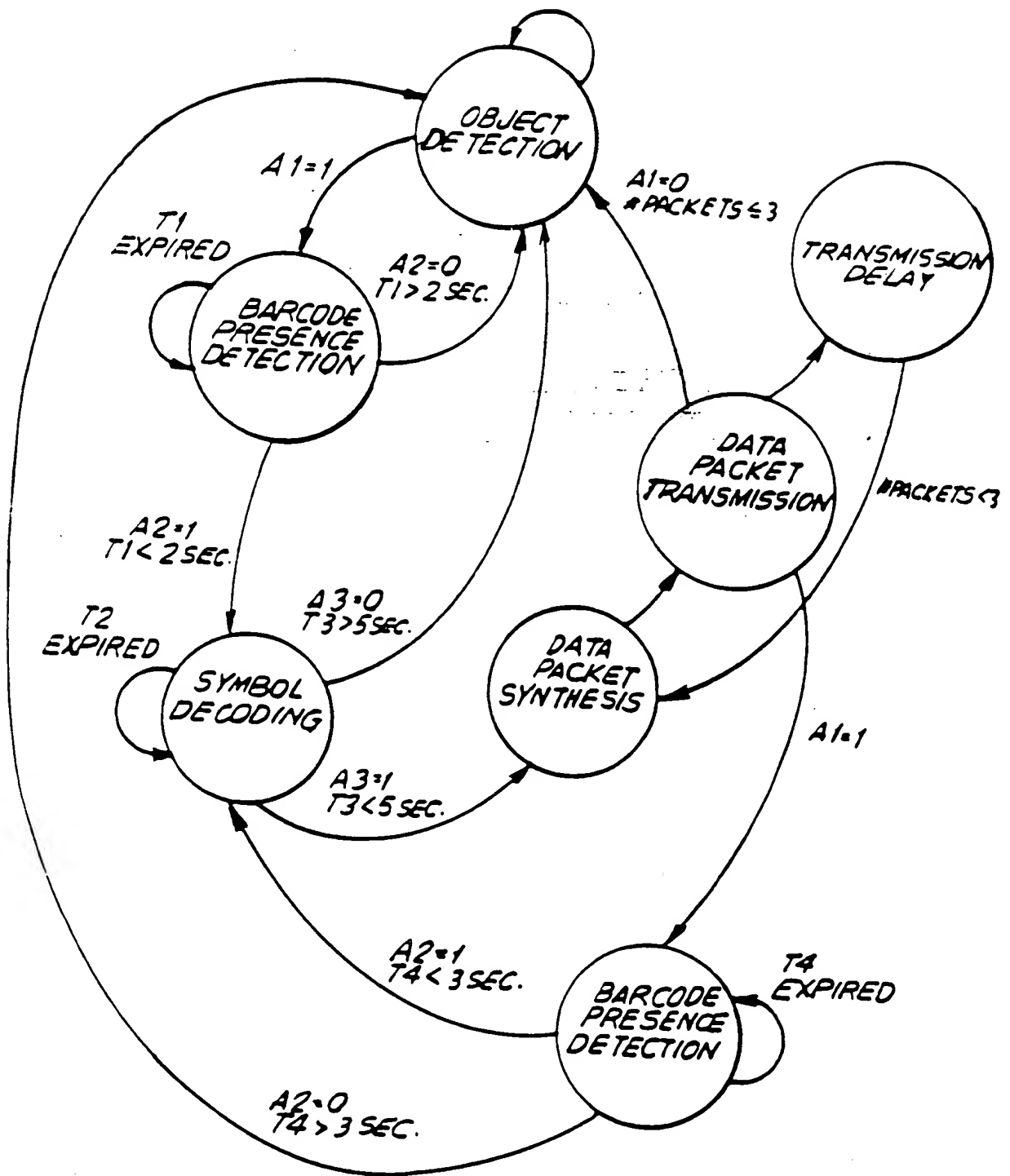
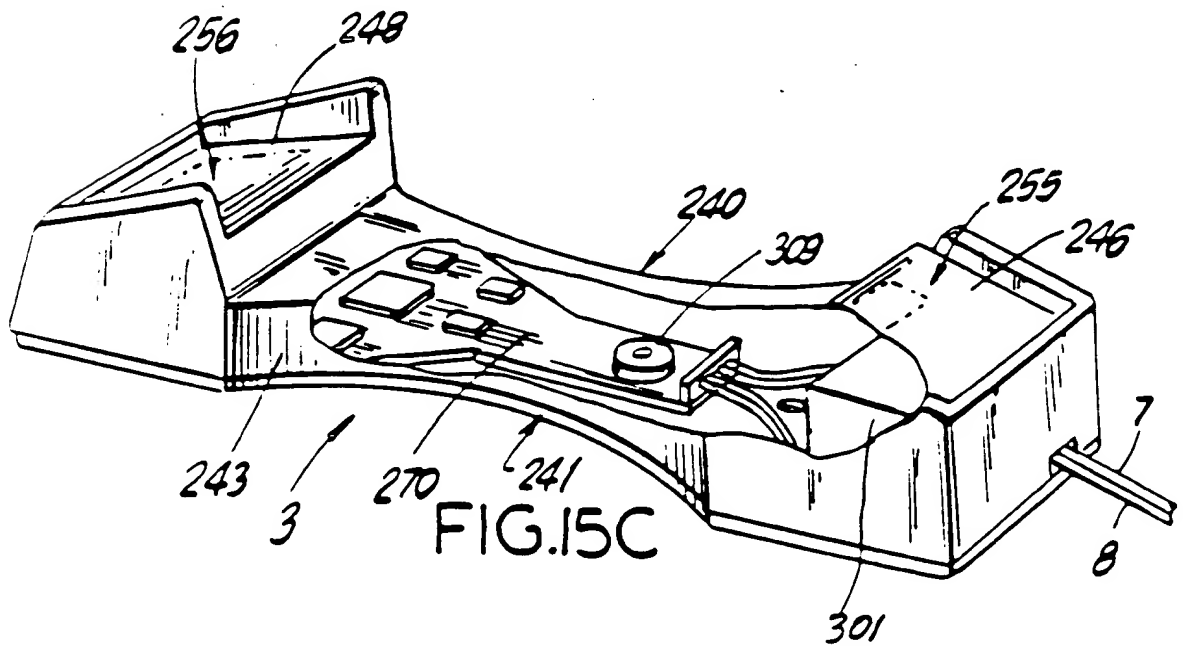
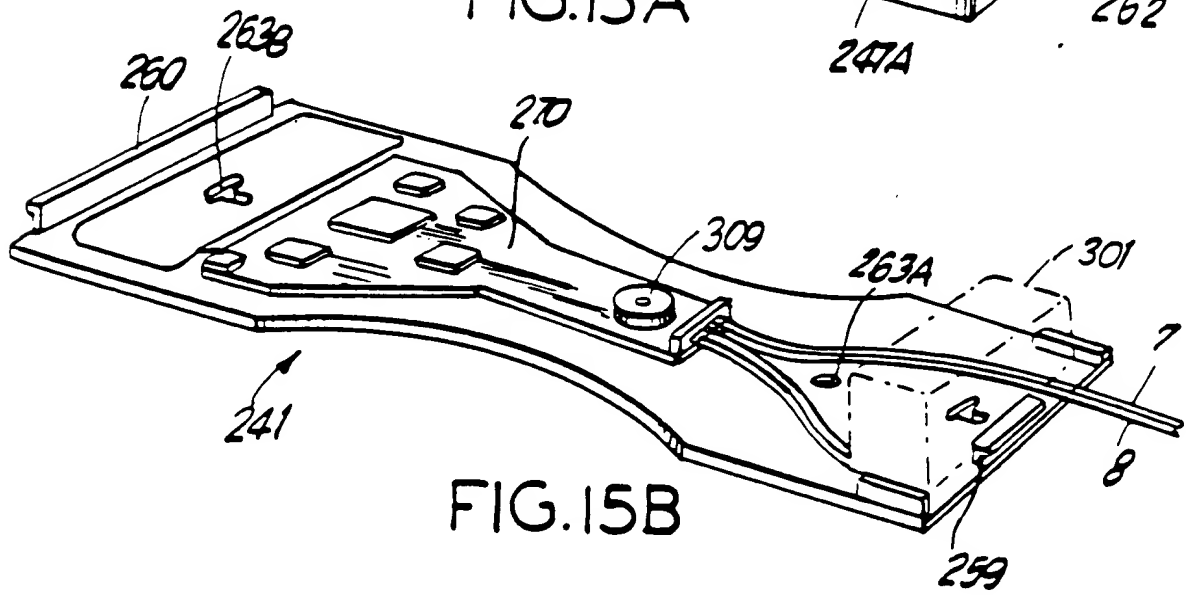
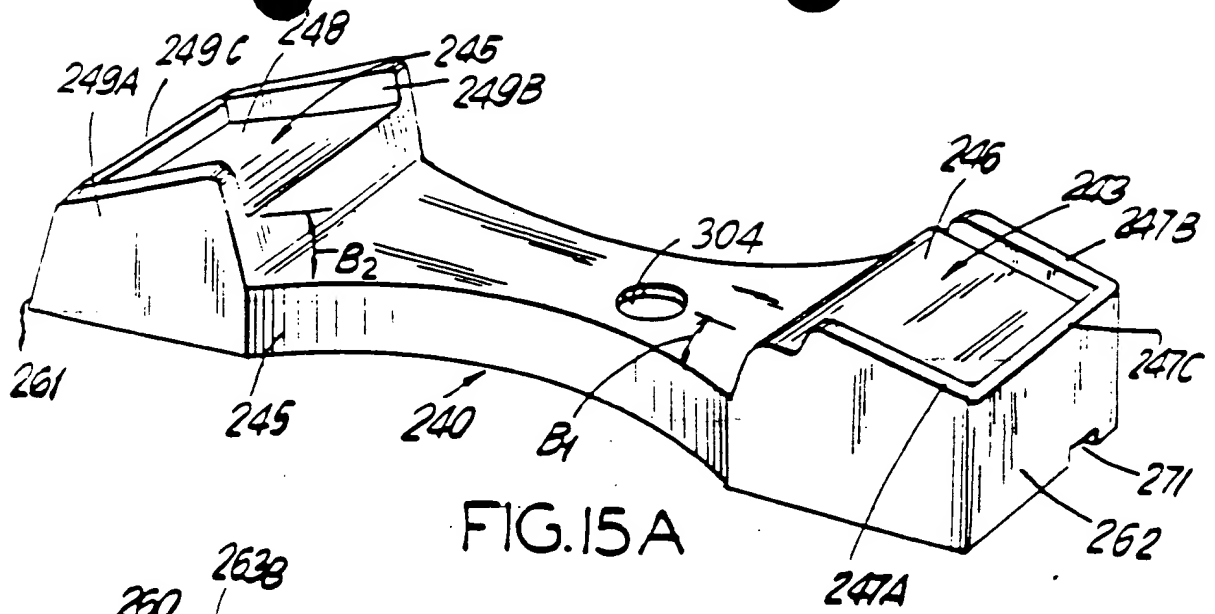


FIG.14



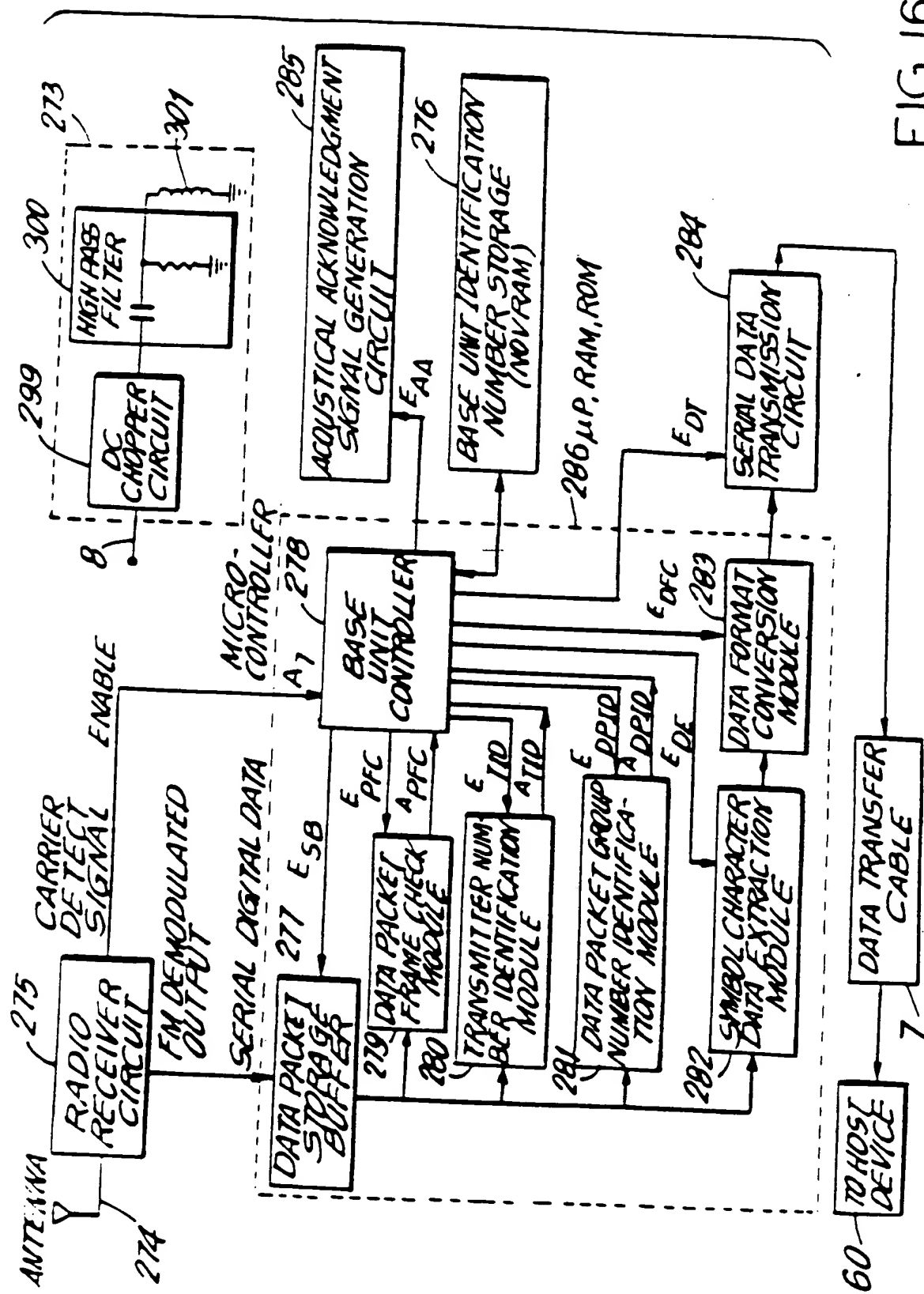


FIG. 16

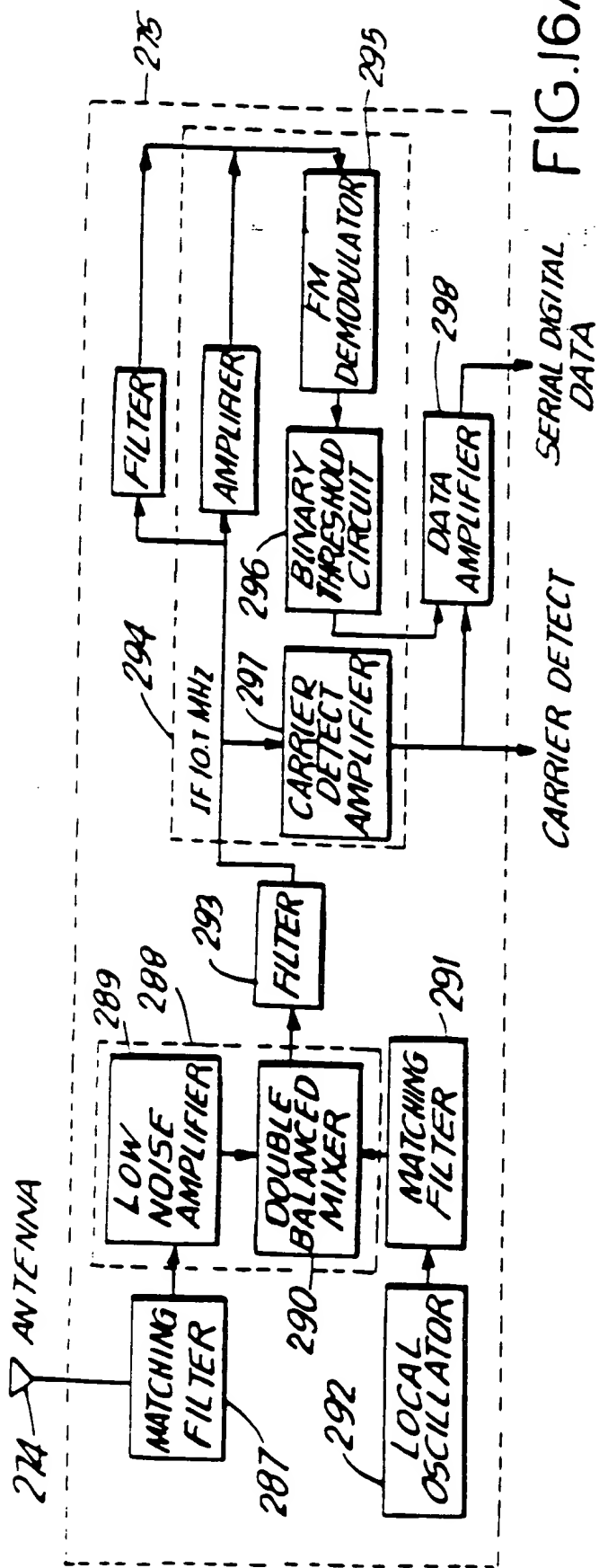


FIG. 16A

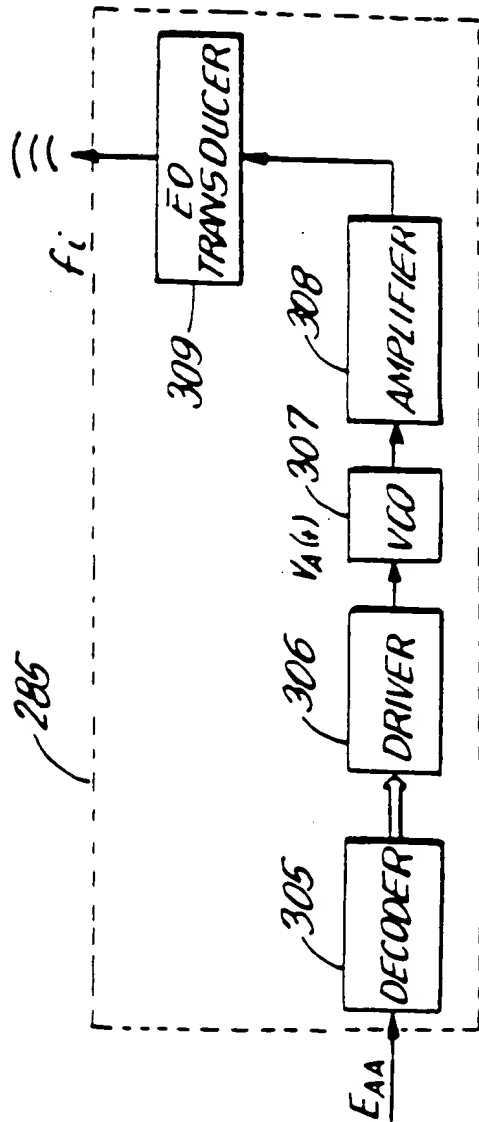


FIG. 16B



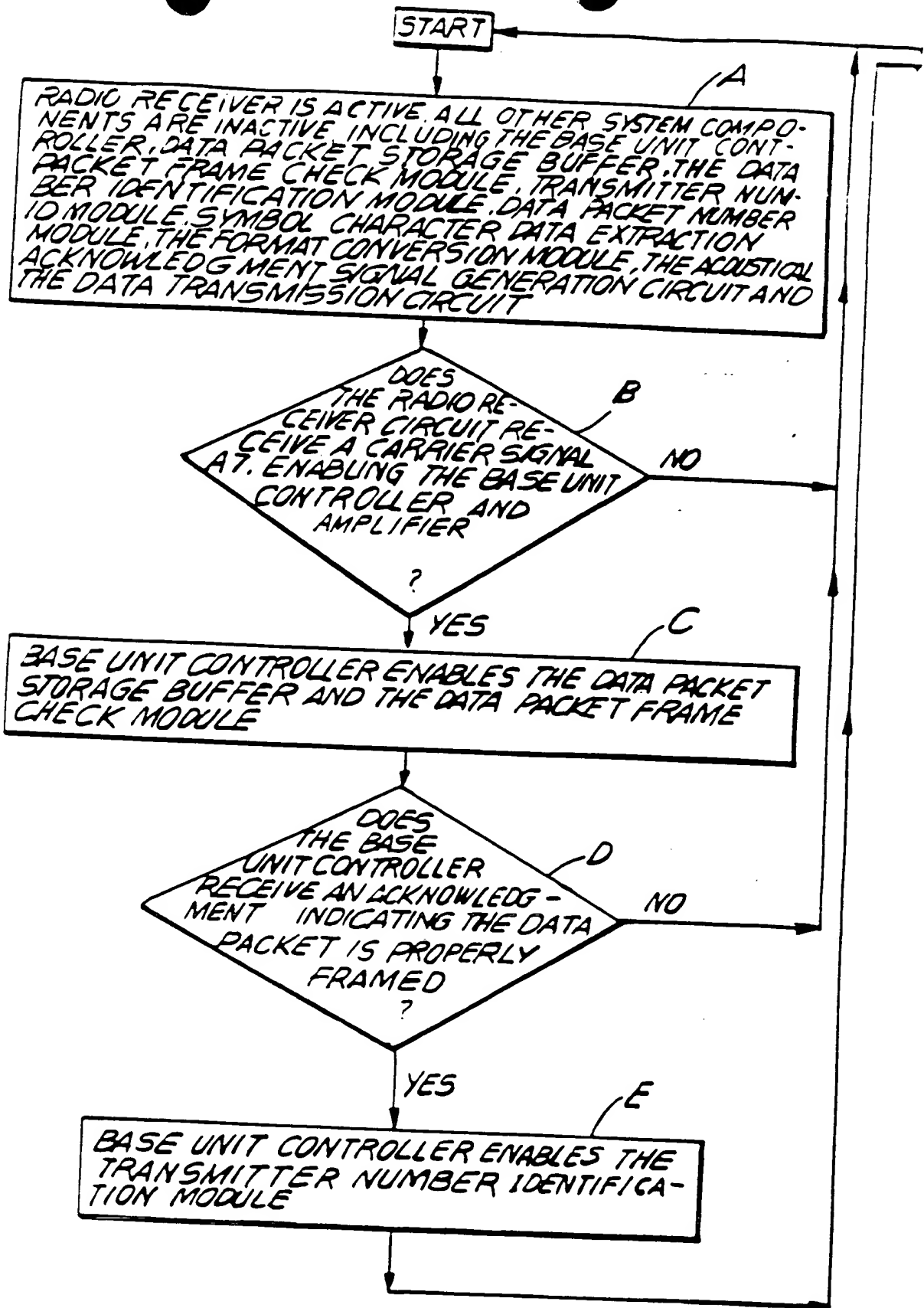


FIG.17

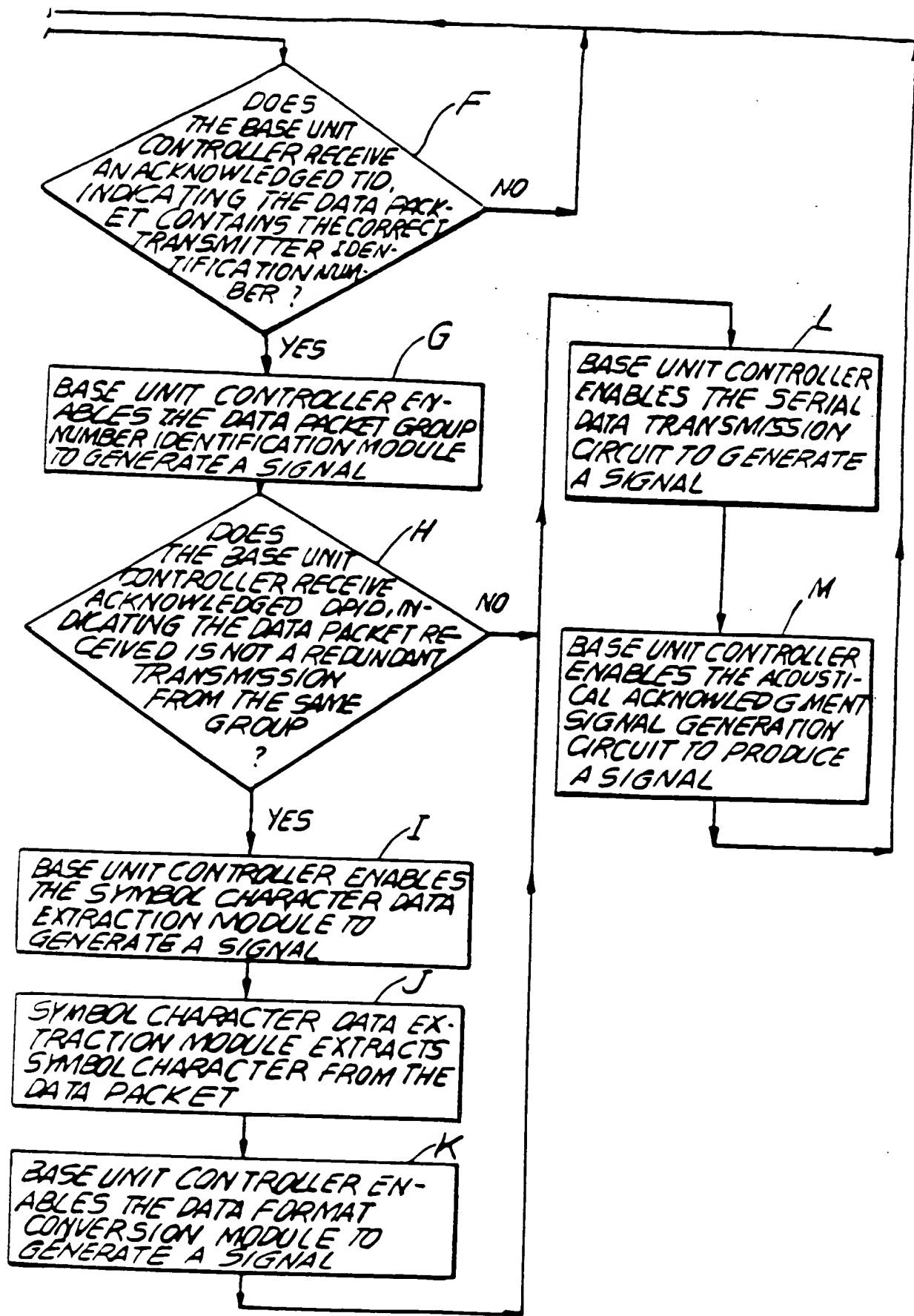


FIG. 17A

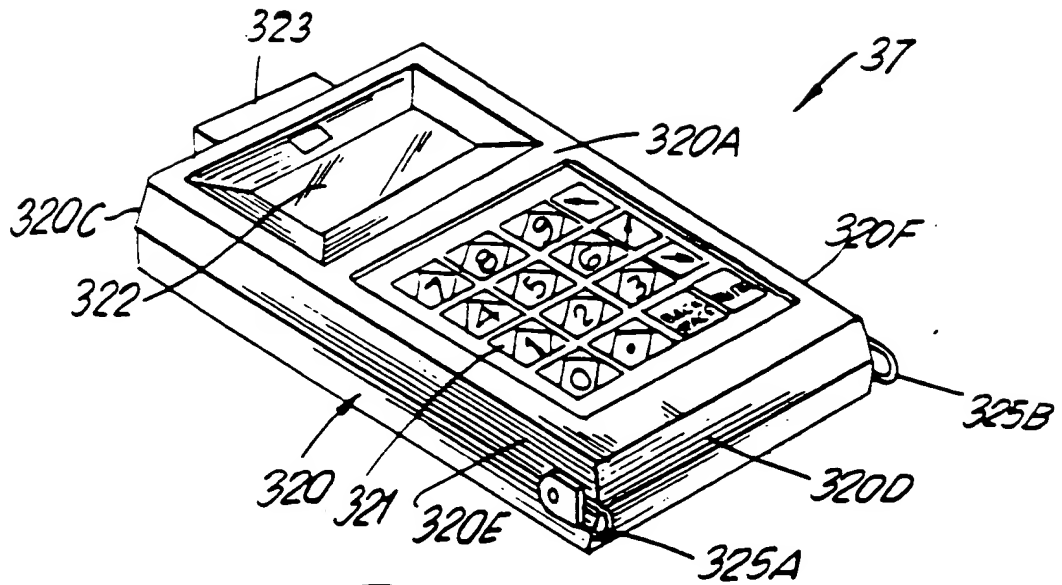


FIG. 18A

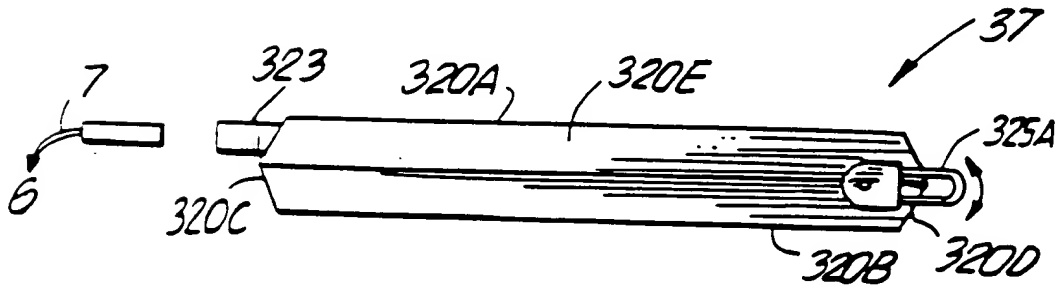


FIG. 18B

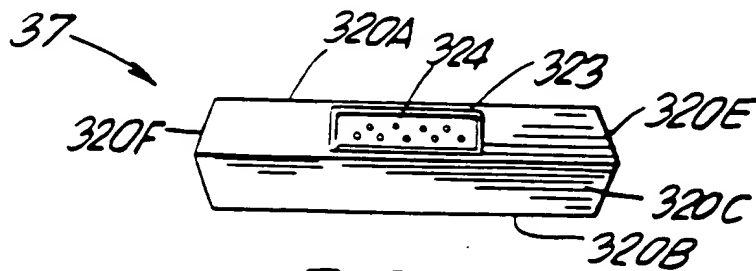


FIG. 18C

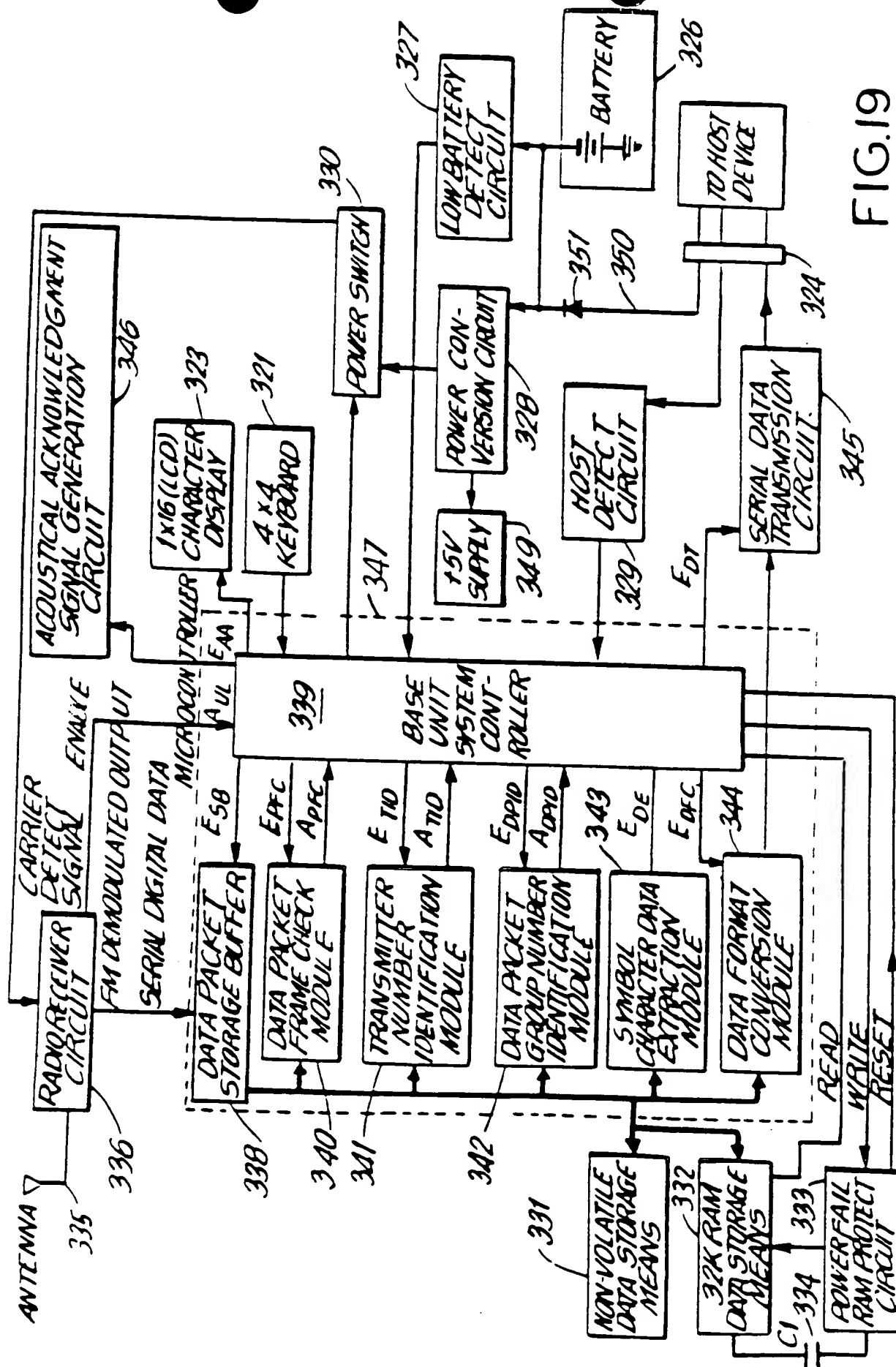


FIG. 19

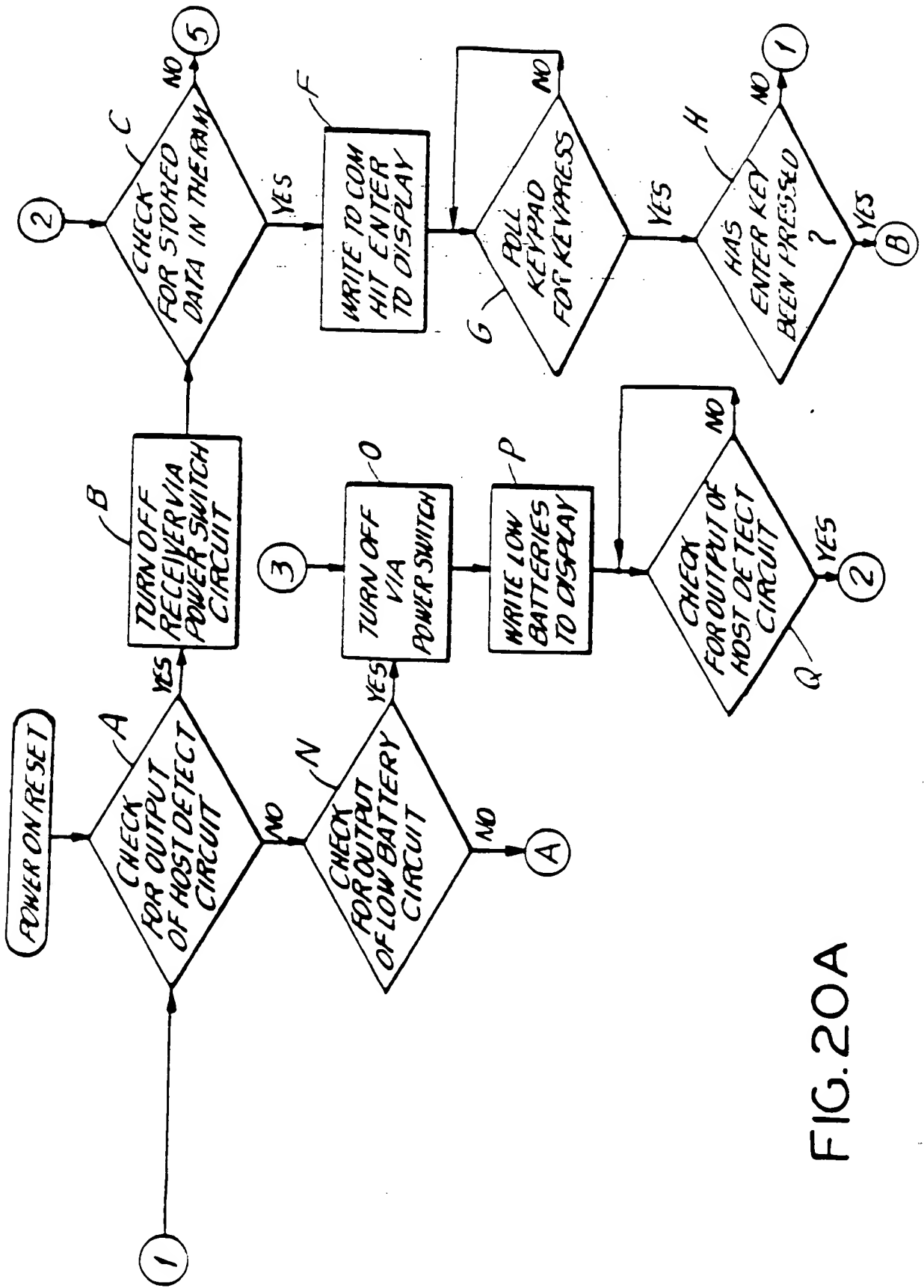


FIG. 20A

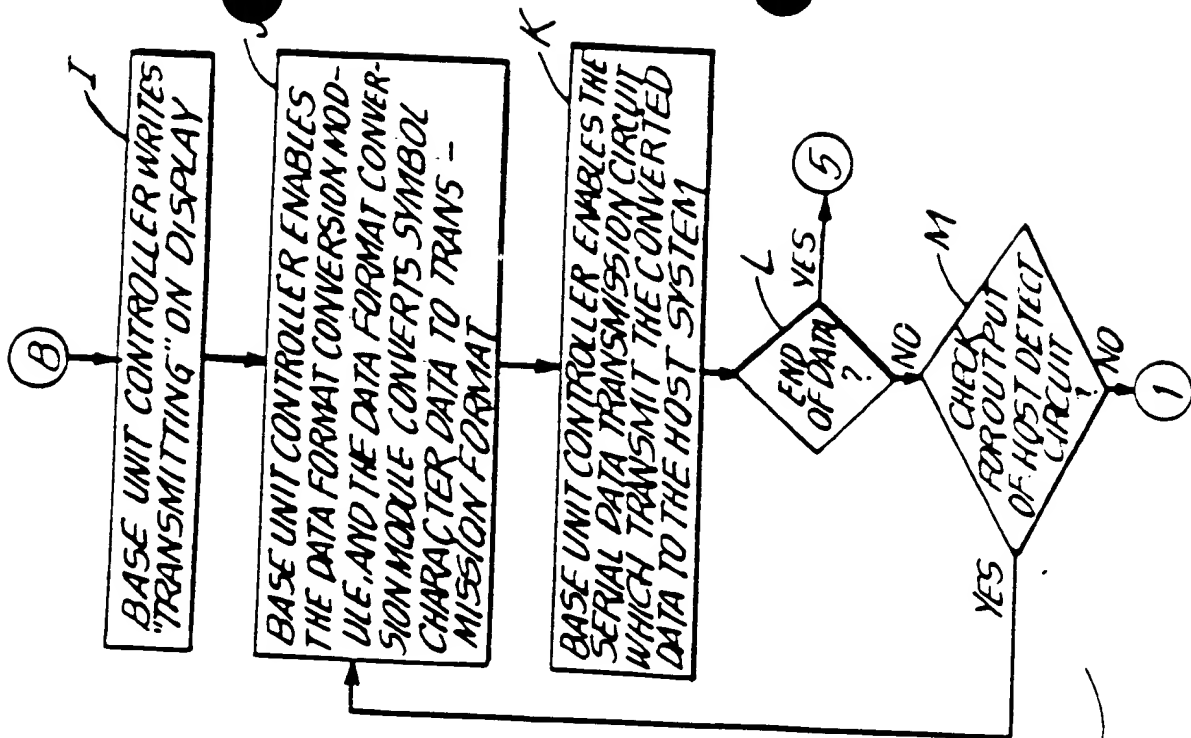
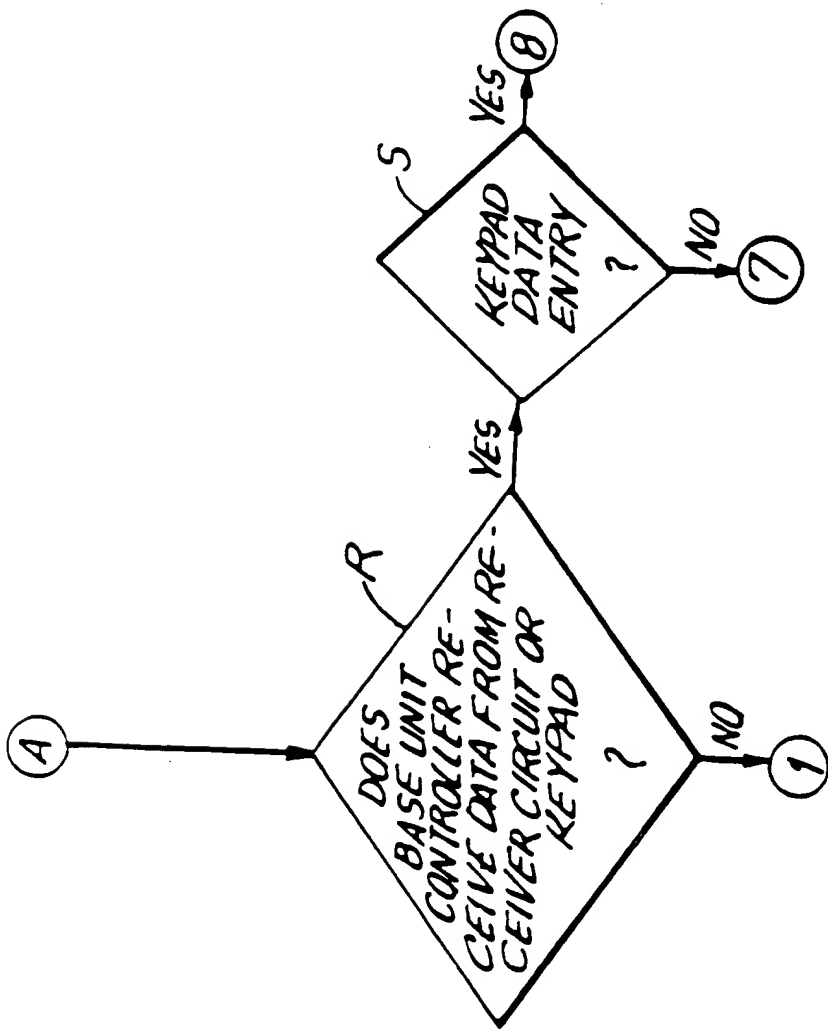


FIG. 20B

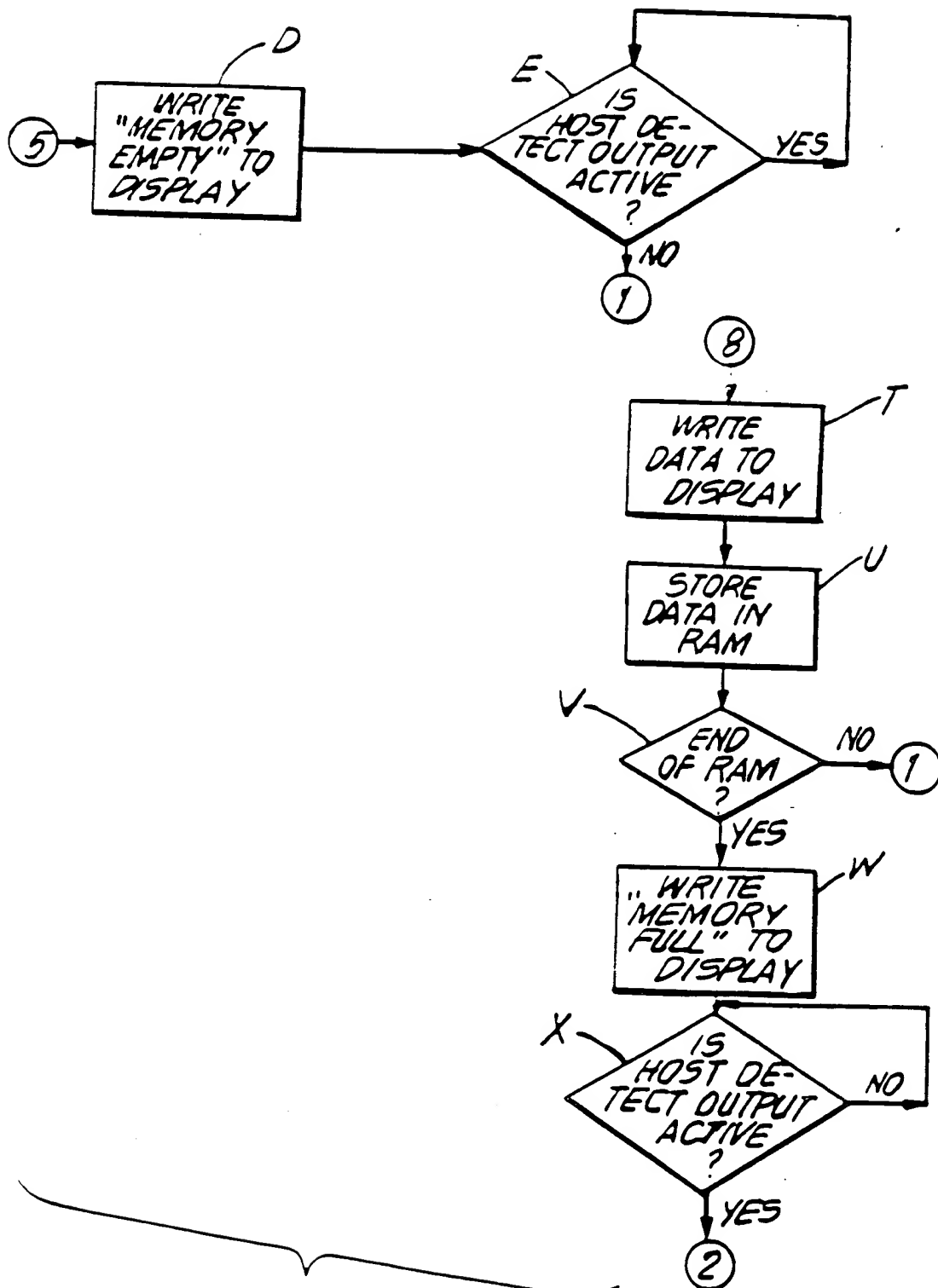
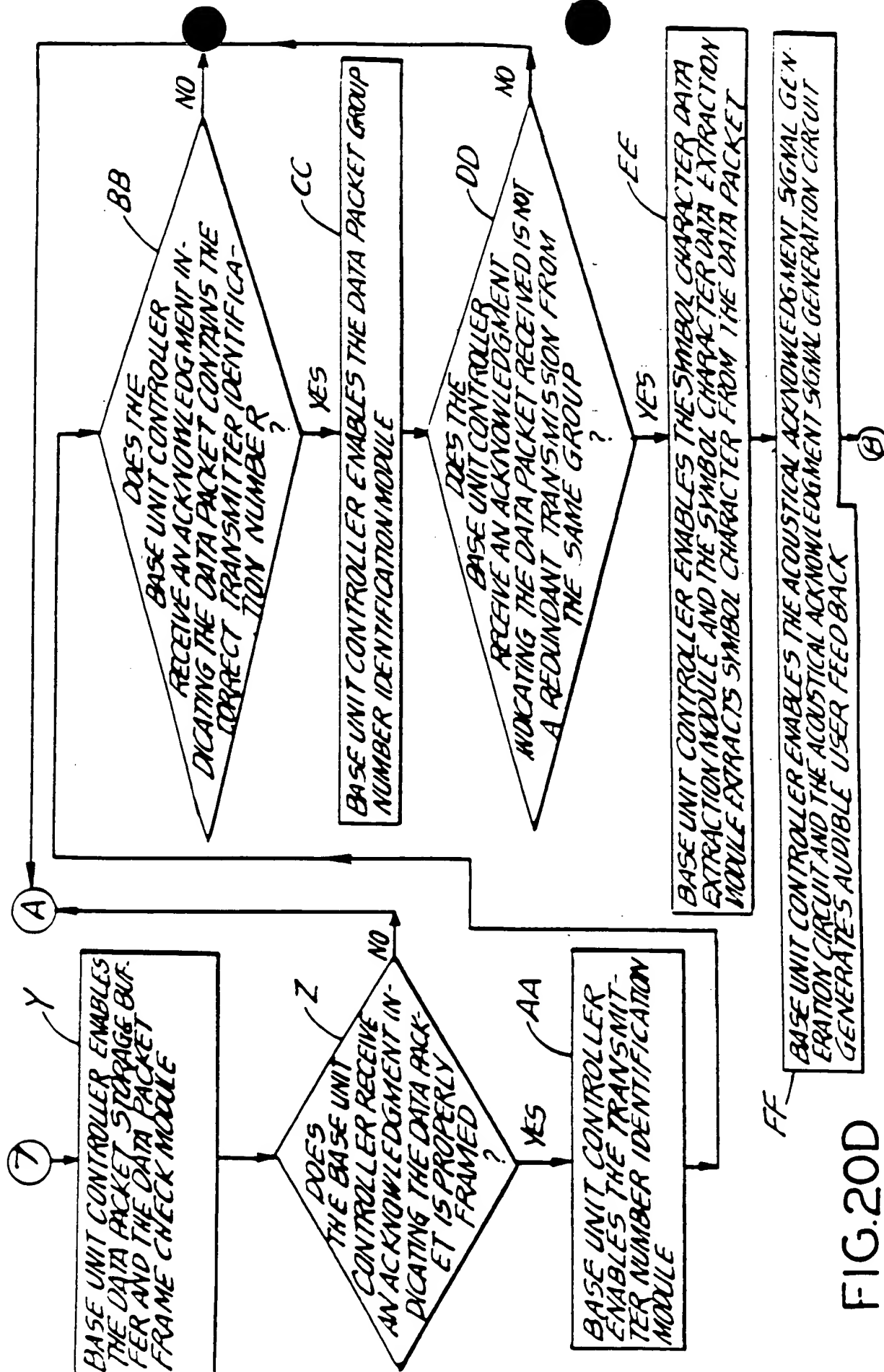


FIG. 20C





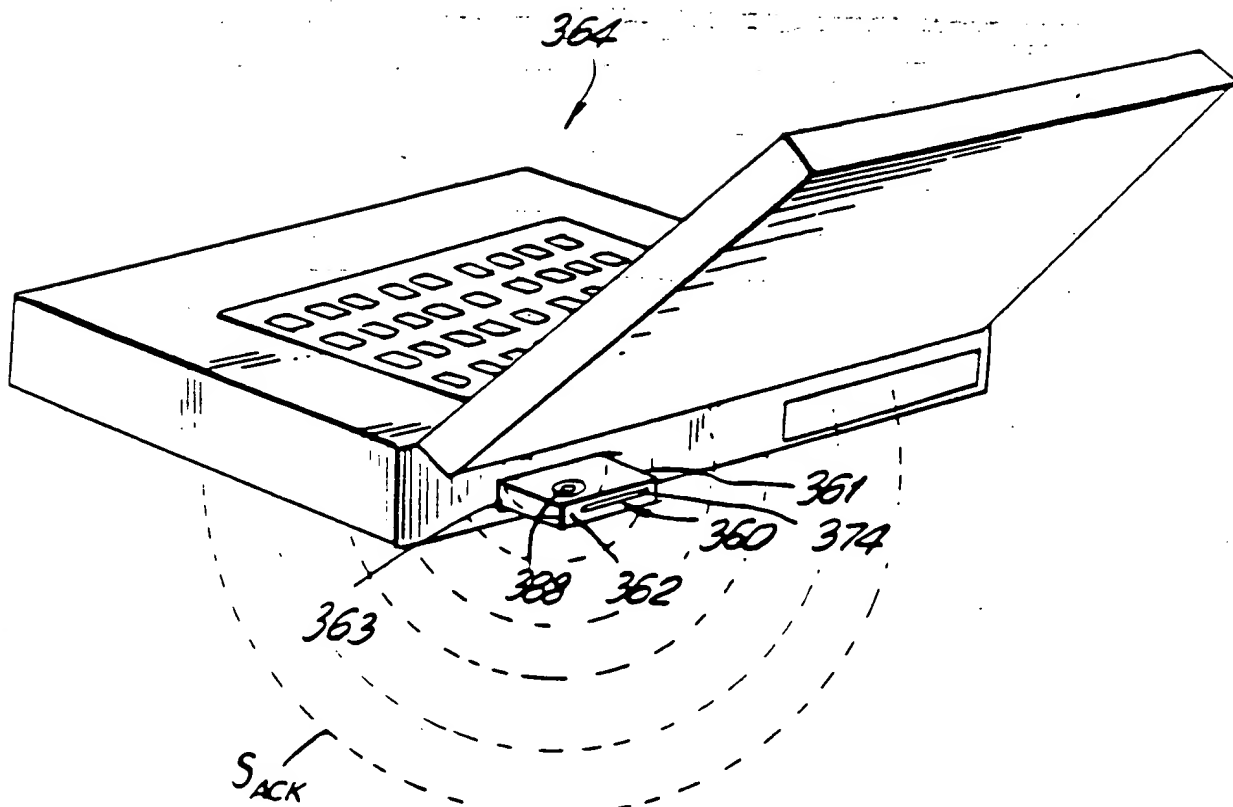


FIG. 21

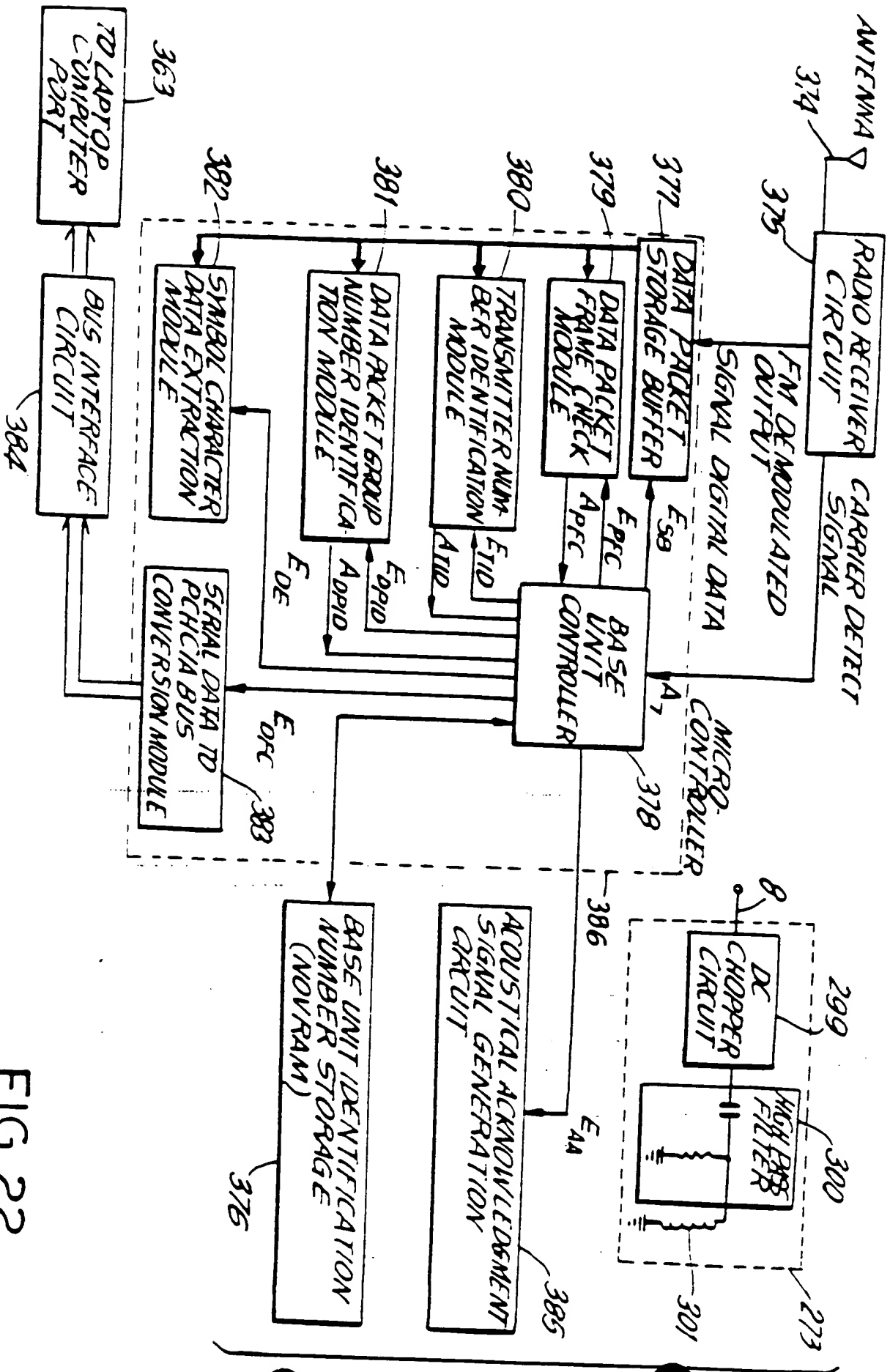


FIG. 22

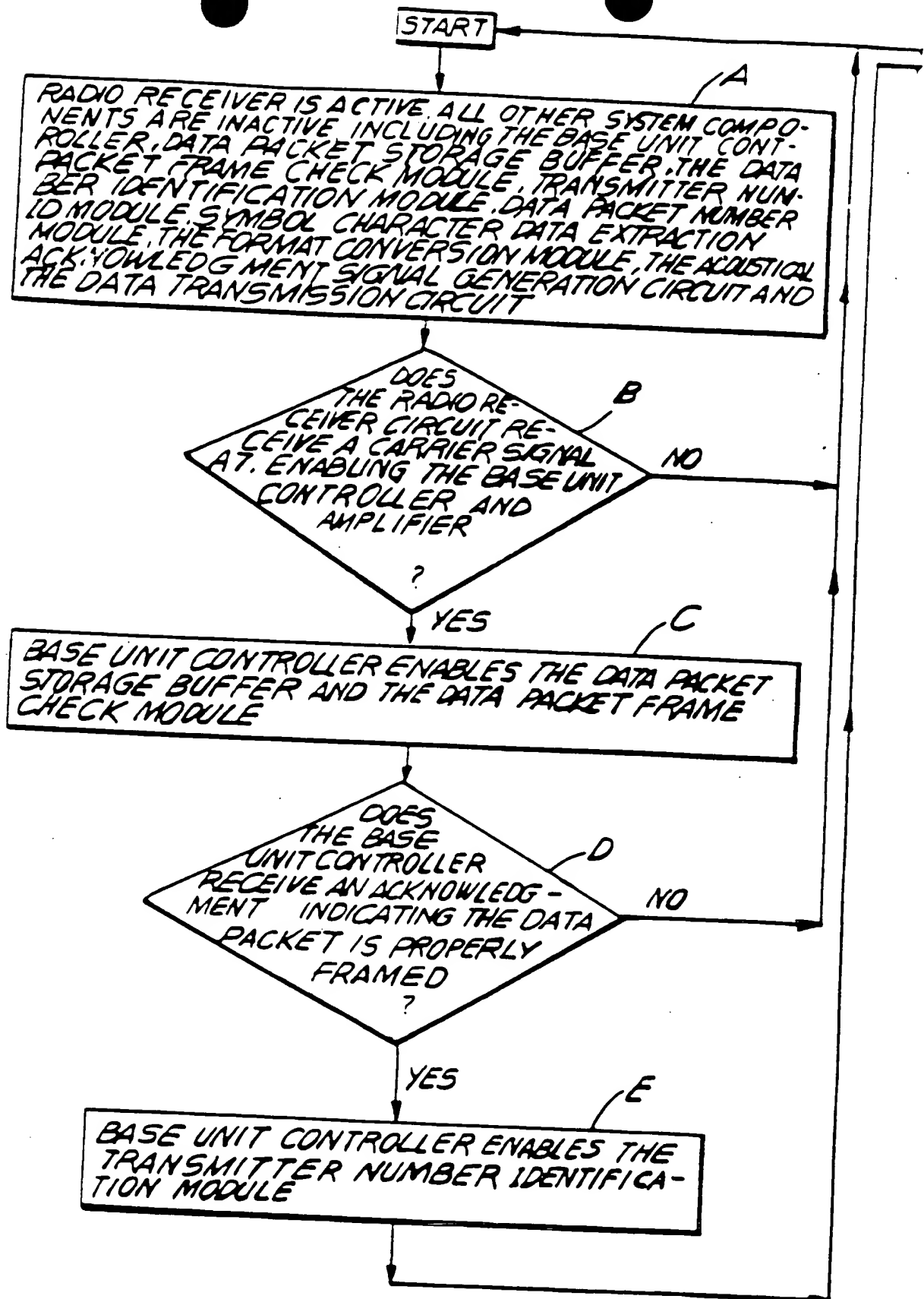


FIG.23

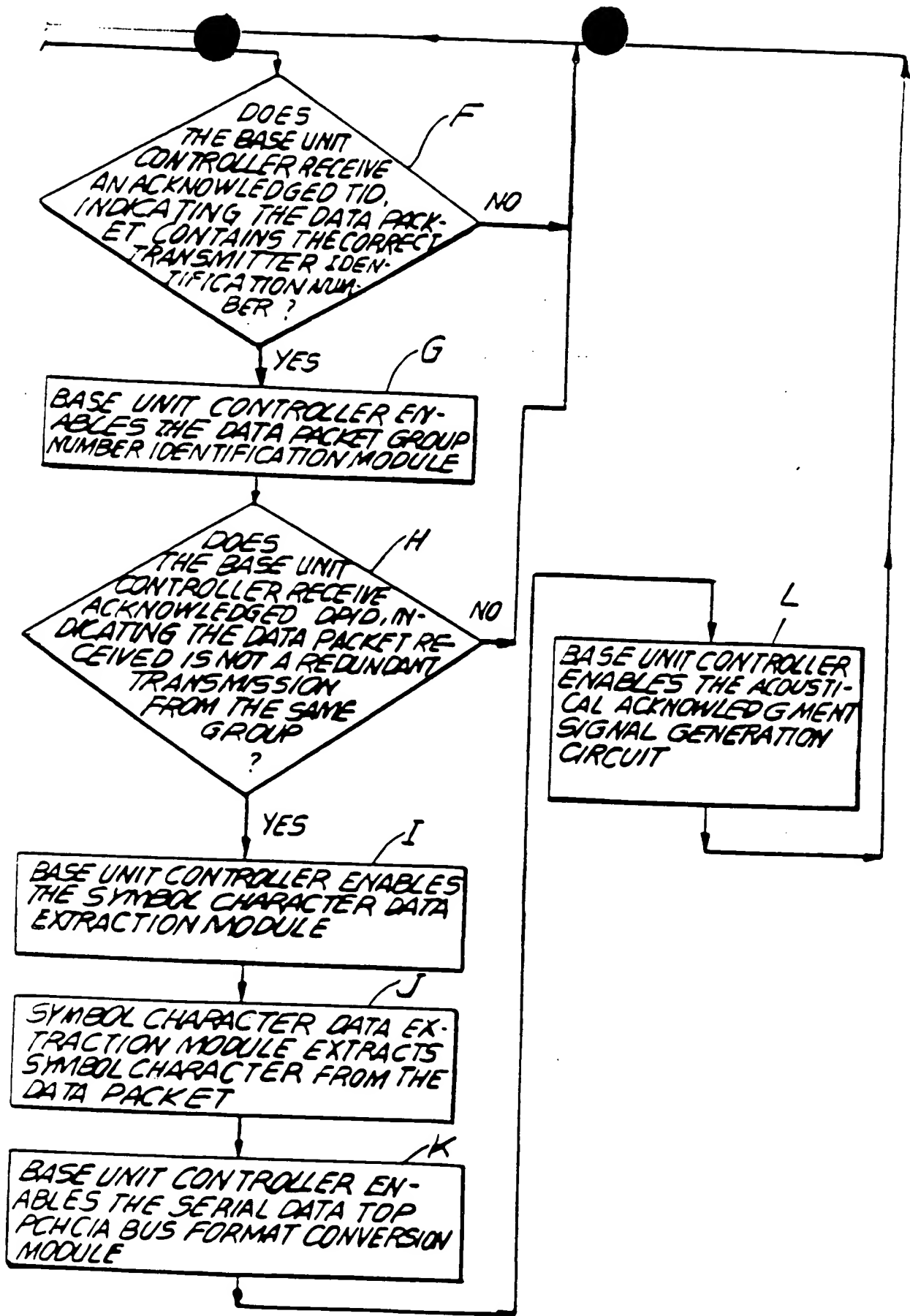
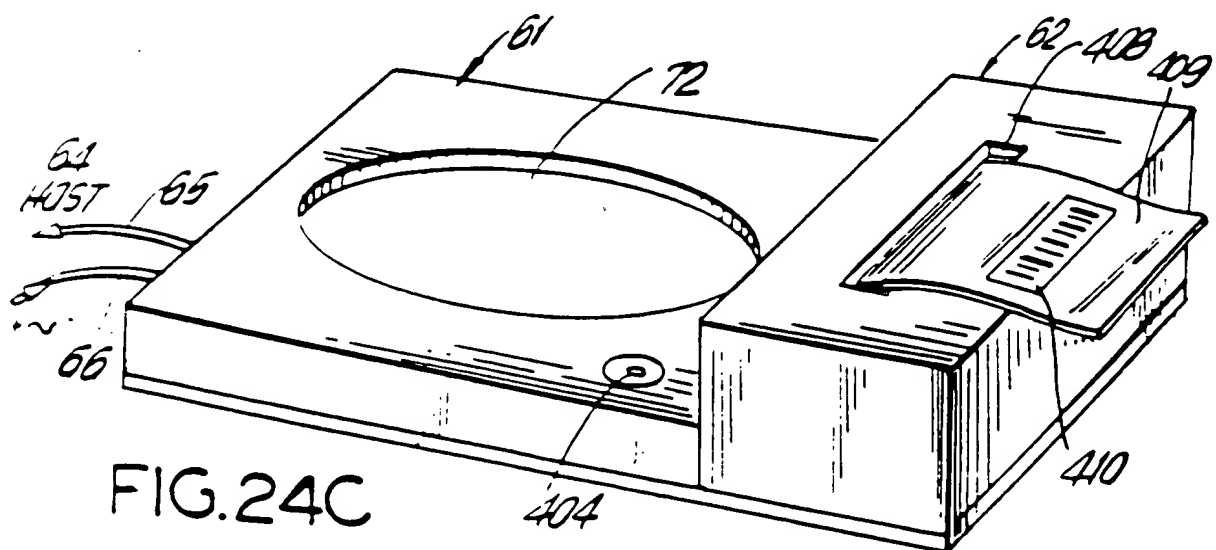
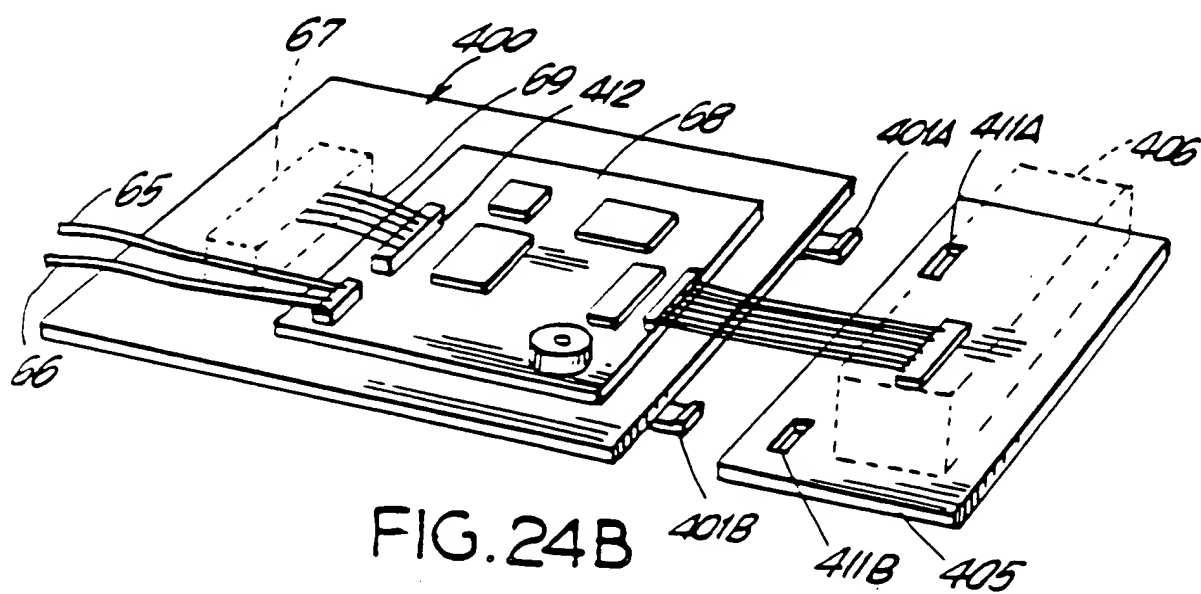
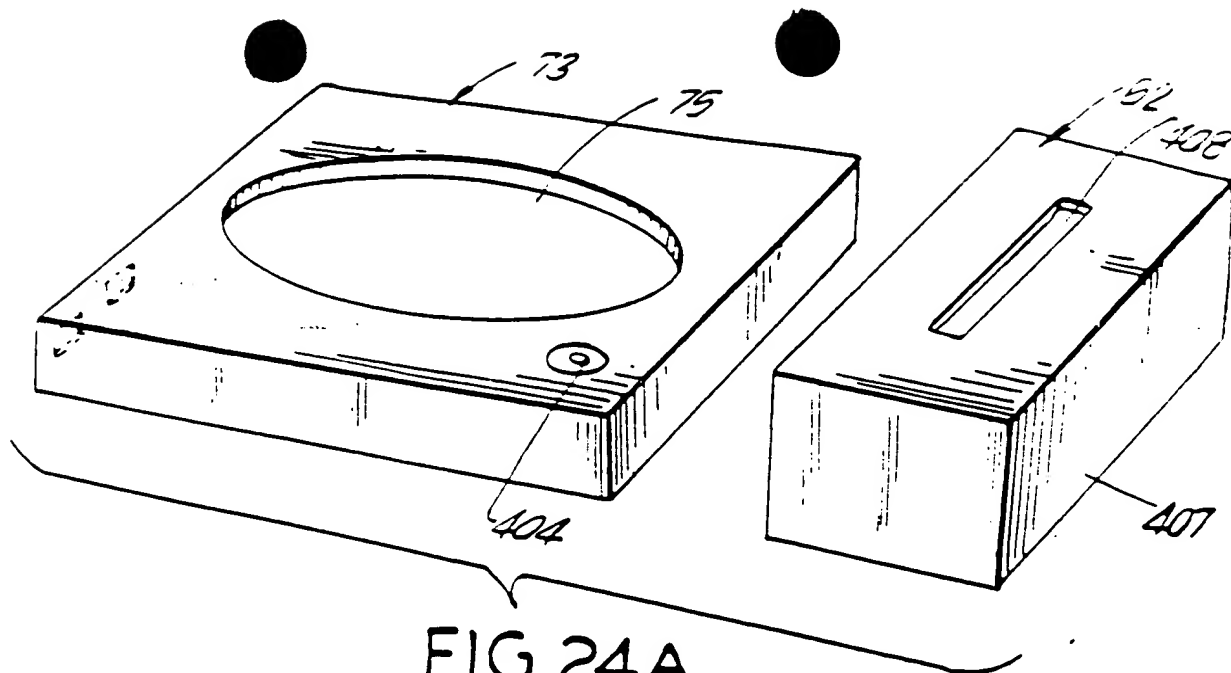


FIG. 23A



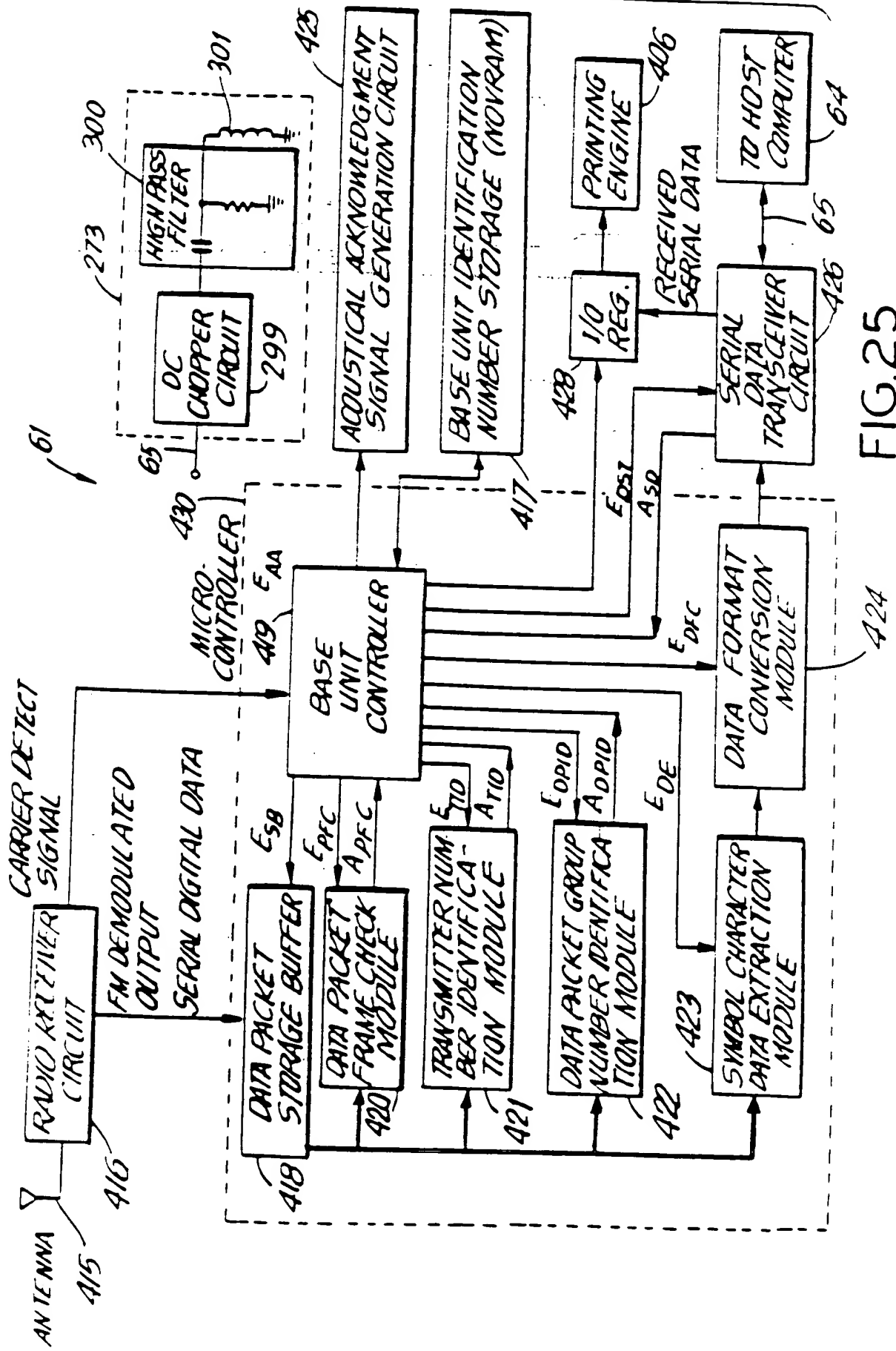


FIG. 25

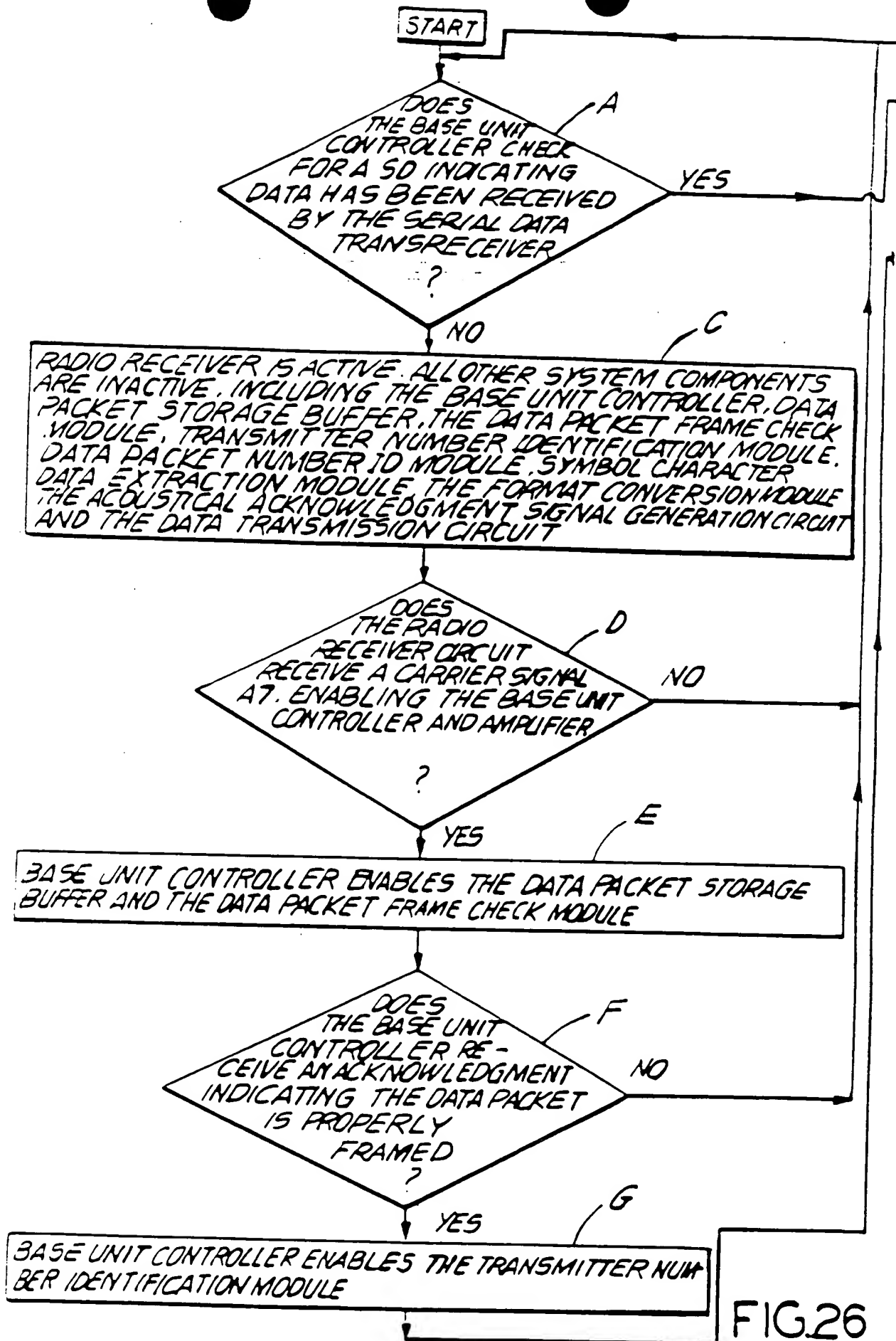


FIG. 26

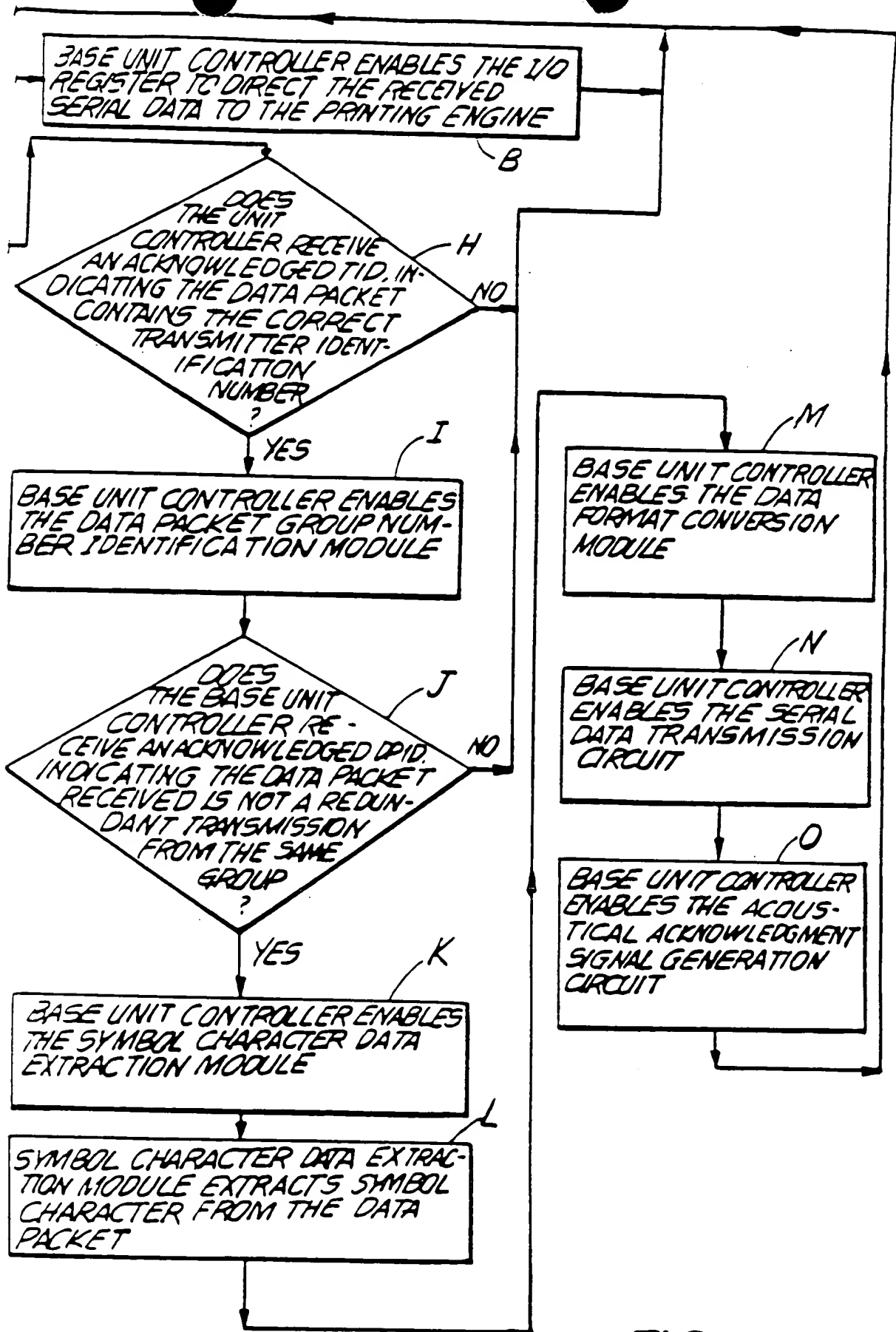


FIG. 26A



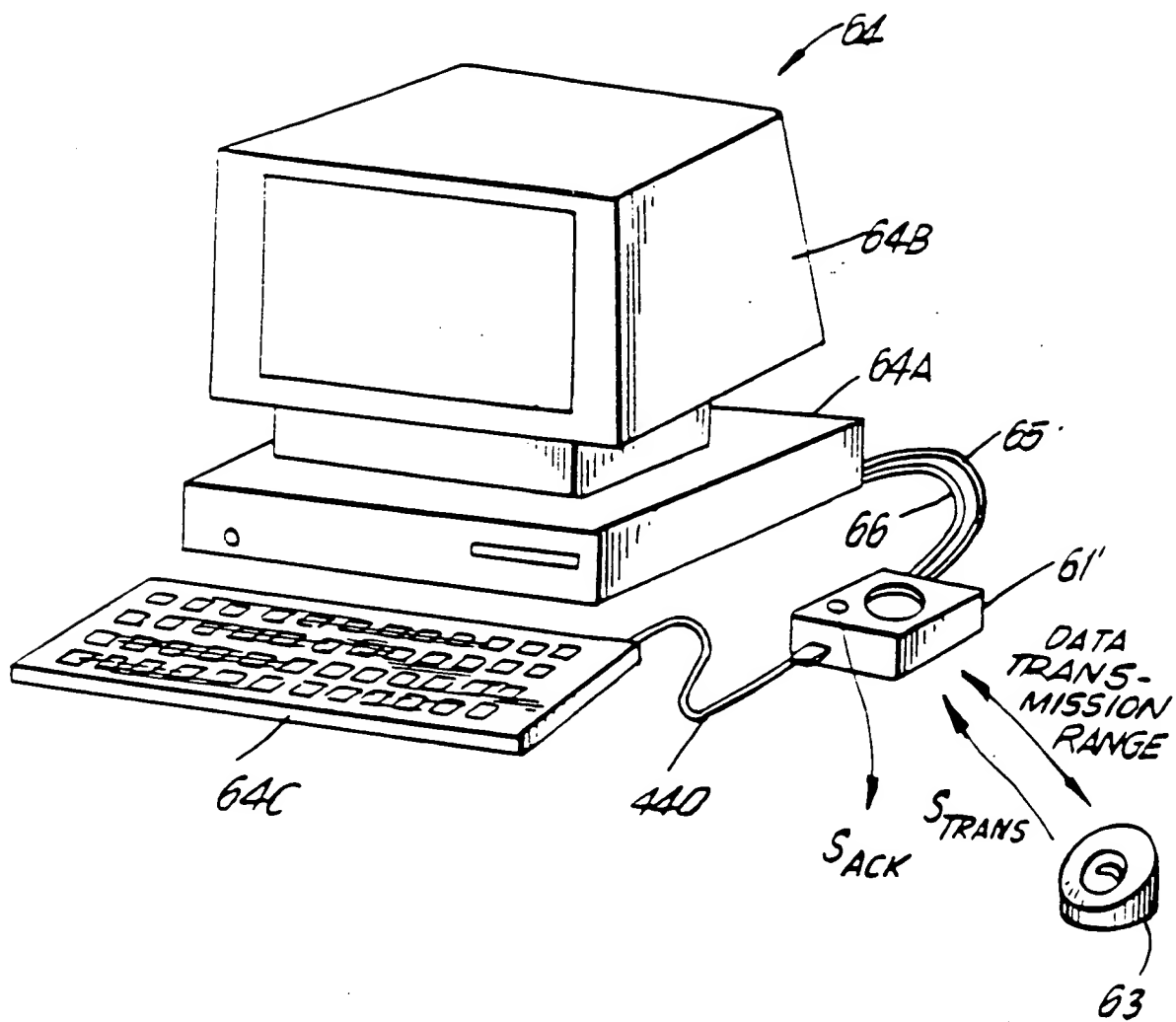


FIG.27

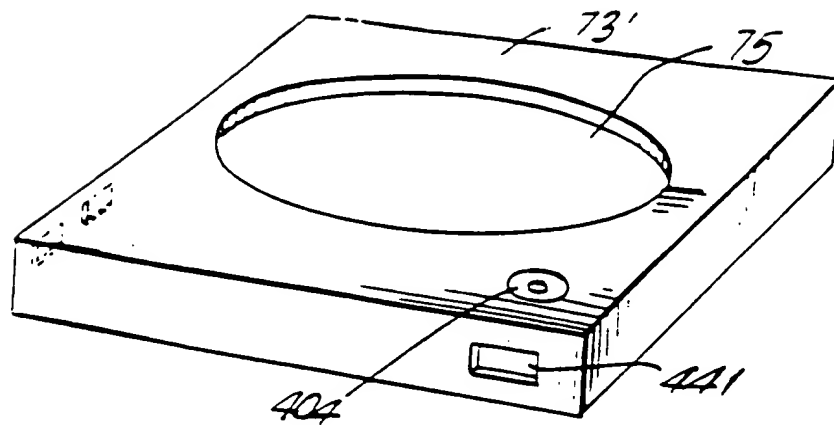


FIG. 28A

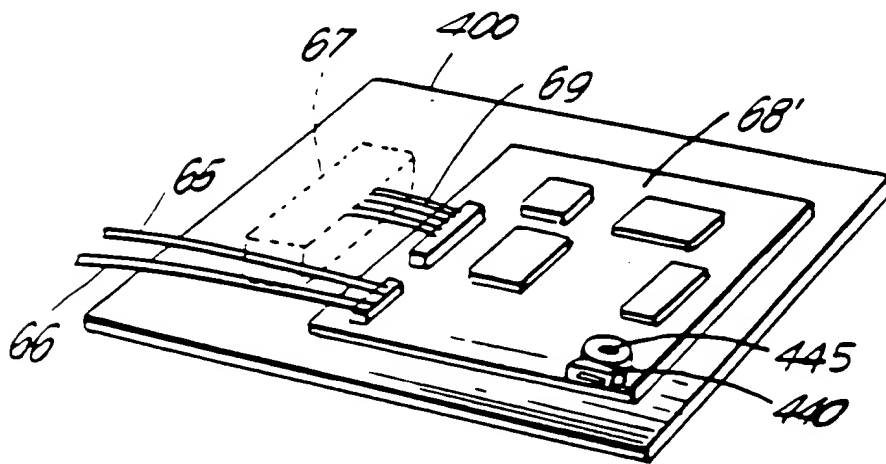


FIG. 28B

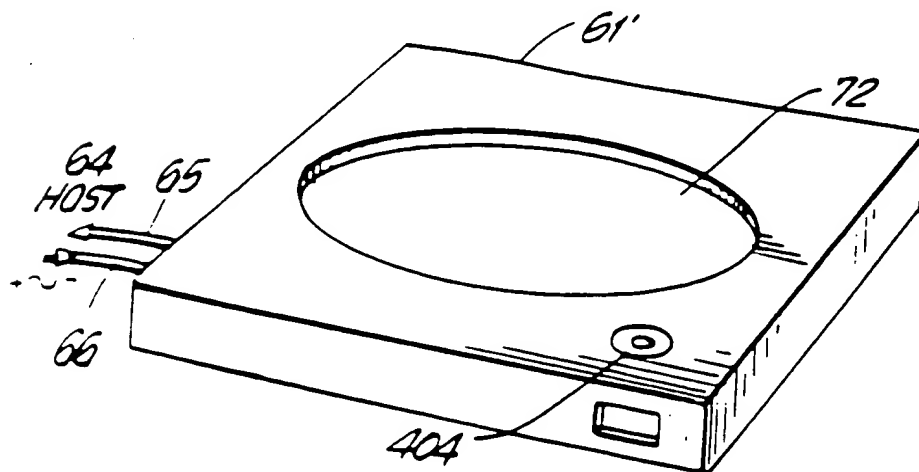


FIG. 28C

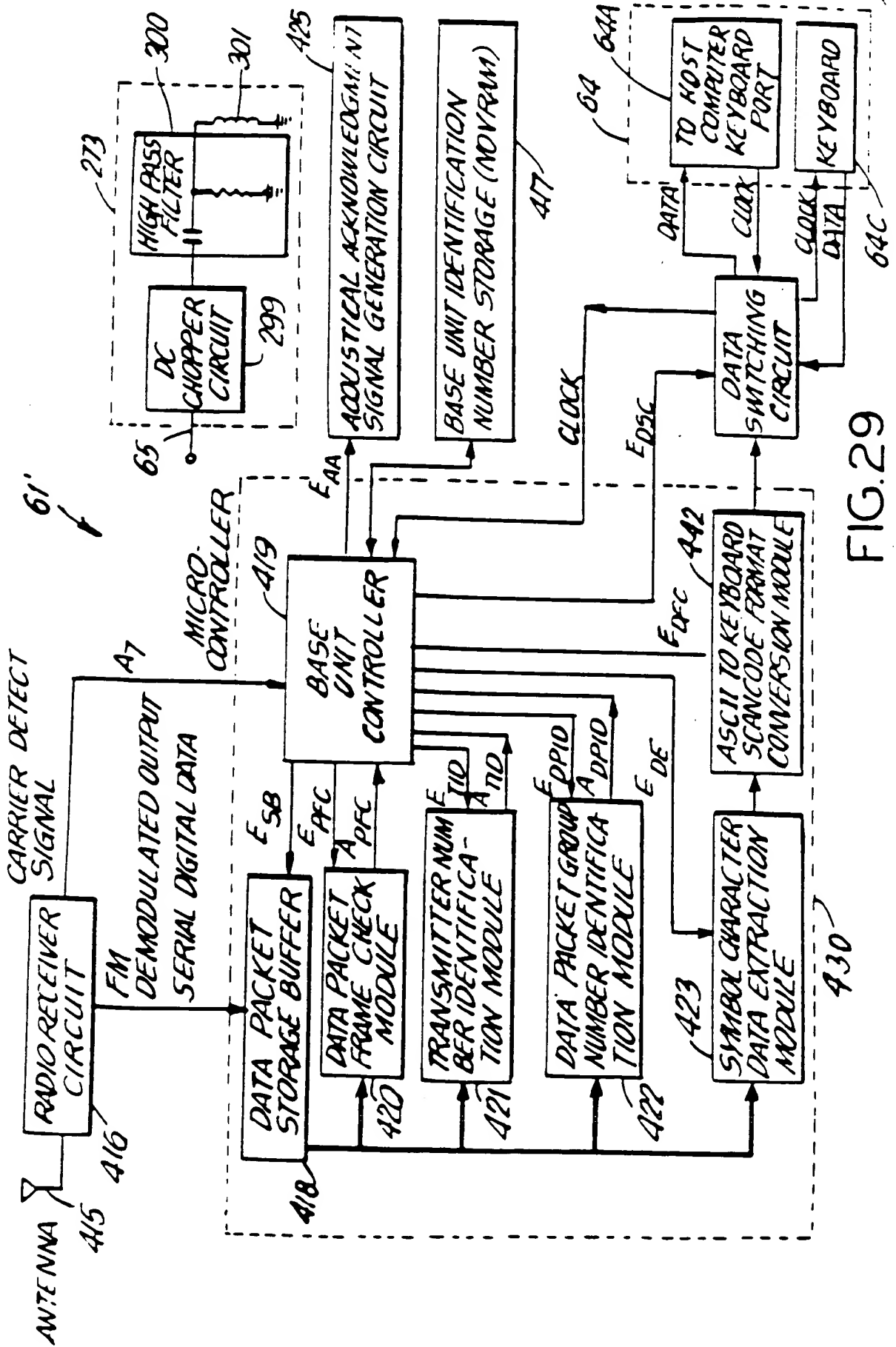


FIG. 29

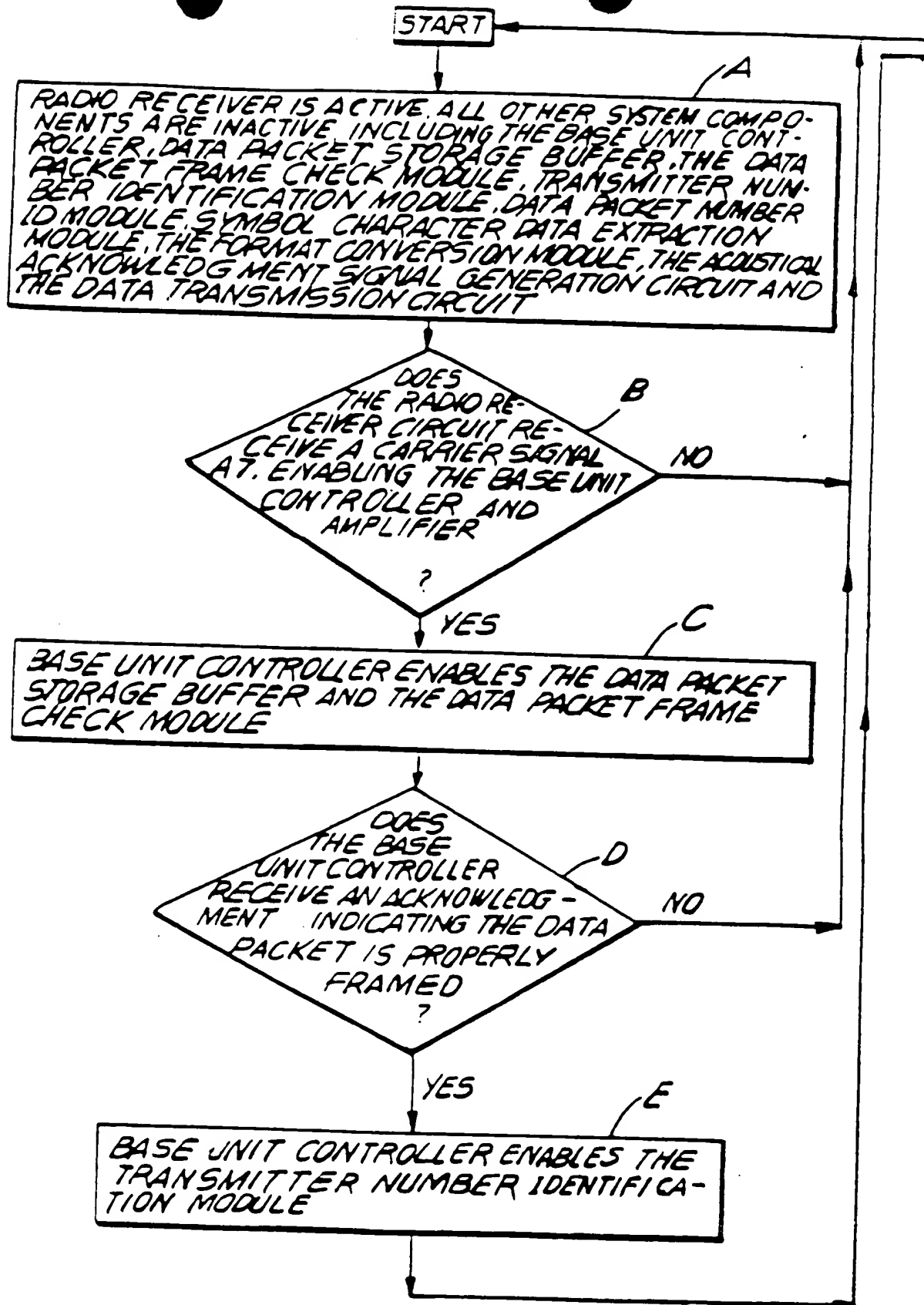


FIG. 30

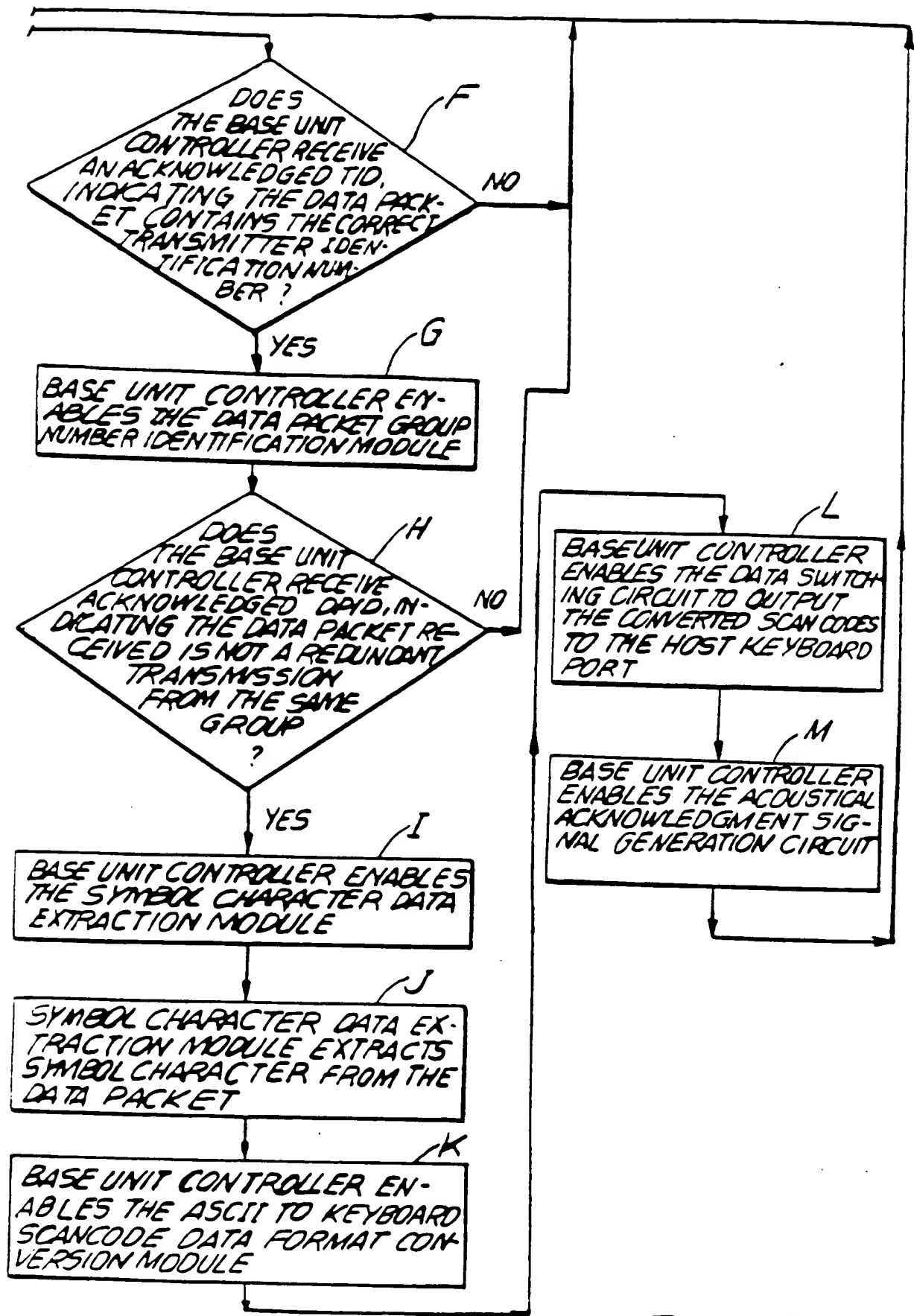


FIG.30A

